

THIRUVALLUVAR UNIVERSITY
BACHELOR OF ARTS
B.A. ARABIC DEGREE COURSE
CBCS PATTERN

(With effect from 2022-2023)

@ Don't change this category

Number of core papers may be changed

Sl.No.	Part	Study Components		Ins.hrs/ Week	Credit	Title of the paper	Maximum Marks		
		Course Title							
SEMESTER-I							CIA	Uni. Exam	Total
1.	@I	Language	Paper-1	6	4	Basic Arabic	25	75	100
2.	@II	English	Paper-1	6	4	English I	25	75	100
3.	@III	Core Theory	Paper-1	6	4	Grammar I	25	75	100
4.	@III	Core Theory	Paper-2	6	4	Tajweed & Tarjama	25	75	100
5.	@III	Allied - 1	Paper-1	4	4	History of Prophets I	25	75	100
6.	@IV	Environ mental Studies		2	2	Environmental Studies	25	75	100
		Semester Total		30	22		175	525	700

Sl.No.	Part	Study Components		Ins.hrs/ Week	Credit	Title of the paper	Maximum Marks		
		Course Title							
SEMESTER-II							CIA	Uni. Exam	Total
7.	@I	Language	Paper-2	6	4	Grammar & Translation	25	75	100
8.	@II	English	Paper-2	4	4	English II	25	75	100

9.	II	NMSDC I : Language Proficiency for Employability	Paper 1	2	2	Effective English	25	75	100
10.	III	Core Theory	Paper-3	5	4	Grammar II	25	75	100
11.	III	Core Theory	Paper-4	5	4	Arabic Prose	25	75	100
12.	III	Allied-2	Paper-2	4	4	History of Prophets II	25	75	100
13.	@ IV	Value Education		2	2	Value Education	25	75	100
14.	@ IV	Soft skill		2	1	Soft Skill	25	75	100
		Semester Total		30	25		225	675	900

Sl.No.	Part	Study Components		Ins.hrs/ Week	Credit	Title of the paper	Maximum Marks		
		Course Title							
SEMESTER-III							CIA	Uni. Exam	Total
14.	@I	Language	Paper-3	6	4	Quran & Hadith	25	75	100
15.	@II	English	Paper-3	6	4	English III	25	75	100
16.	III	Core Theory	Paper-5	5	4	Grammar III	25	75	100
17.	III	Core Theory	Paper-6	5	4	Classical Prose I	25	75	100
18.	III	Allied-3	Paper-3	4	4	History of Prophets III	25	75	100
19.	IV	NMSDC	Paper-1	2	2	Microsoft Office	25	75	100

		: Digital Skills for Employability				Essentials			
20.	IV	Non-Major Elective	Paper-1	2	2	Arabic For Beginners	25	75	100
		Semester Total		30	24		175	525	700

Sl.No.	Part	Study Components		Ins.hrs/ Week	Credit	Title of the paper	Maximum Marks		
		Course Title							
SEMESTER-IV							CIA	Uni. Exam	Total
21.	I	Language	Paper-4	6	4	Letter Writing & Literary History	25	75	100
22.	II	English	Paper-4	6	4	English IV	25	75	100
23.	III	Core Theory	Paper-7	5	4	Grammar IV	25	75	100
24.	III	Core Theory	Paper-8	5	4	Classical Prose II	25	75	100
25.	III	Allied-4	Paper-4	4	4	History of Prophets IV	25	75	100
26.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
27.	IV	Non-Major Elective	Paper-2	2	2	Foundation Course in Arabic	25	75	100
		Semester Total		30	24		175	525	700

Sl.No.	Part	Study Components		Ins.hrs/ Week	Credit	Title of the paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER-V									
28.	III	Core Theory	Paper-9	6	4	Grammar V	25	75	100
29.	III	Core Theory	Paper-10	6	4	Arabic Poetry	25	75	100
30.	III	Core Theory	Paper-11	6	4	Modern Prose	25	75	100
31.	III	Core Theory	Paper-12	6	4	Rhetoric I	25	75	100
32.	III	Internal Elective	Paper-1	4	3	Secretarial Practice in Arabic	25	75	100
33.	IV	Skill based subject	Paper-2	2	2	Communications Skills in Arabic	25	75	100
		Semester Total		30	21		150	450	600

Sl.No.	Part	Study Components		Ins.hrs/ Week	Credit	Title of the paper	Maximum Marks		
		Course Title							
SEMESTER-VI							CIA	Uni. Exam	Total
34.	III	Core Theory	Paper-13	5	4	Modern Poetry	25	75	100
35.	III	Core Theory	Paper-14	5	4	Rhetoric II	25	75	100
36.	III	Core Theory	Paper-15	4	4	Modern Arabic Literature	25	75	100
37.	@ III	Compulsory Project		6	5	Literary Project in Arabic	25	75	100
38.	III	Internal Elective	Paper-2	4	3	Essays in Arabic	25	75	100

39.	III	Internal Elective	Paper 3	4	3	Conversational Arabic	25	75	100
40.	IV	Skill based subject	Paper-3	2	2	Computer Skills in Arabic	25	75	100
41.	@V	Extension Activities		0	1		-	-	100
42.		NMSDC III : Employability Readiness		0	0	(choose any one) • Naandi • Unnati • Quest • Izpay • IBM Skills build	-	-	-
		Semester Total		30	26		175	525	800
		Grand Total			142				

THIRUVALLUVAR UNIVERSITY
BACHELOR OF ARTS
B.A. CORPORATE ECONOMICS
DEGREE COURSE
CBCS PATTERN

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
1	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3	III	Core Theory	Paper-1	5	3	Micro Economics I	25	75	100
4	III	Core Theory	Paper-2	5	3	Business Statistics	25	75	100
5	III	ALLIED -1	Paper-1	6	3	(to choose 1 out of 4) 13. Business Organisation 14. Financial Accounting I 15. Public Administration I 16. Agricultural Finance I	25	75	100
6	III	PE	Paper-1	6	3	Professional English I	25	75	100
7	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English	Paper-2	4	4	Communicative English II	25	75	100
10.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
11.	III	Core Theory	Paper-3	5	3	Micro Economics II	25	75	100
12.	III	Core Theory	Paper-4	5	3	Economics of Corporate Sector	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
13.	III	ALLIED-1	Paper-2	6	5	(to choose 1 out of 4) 9. Enterprise Resource Planning 10. Financial Accounting II 11. Public Administration II 12. Agricultural Finance II	25	75	100
14.	III	PE	Paper-2	4	3	Professional English II	25	75	100
15.	IV	Value Education		2	2	Value Education	25	75	100
16.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27		225	675	900

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
17.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
18.	II	English	Paper-3	6	4	English	25	75	100
19.	III	Core Theory	Paper-5	4	3	Indian Economic Development I	25	75	100
20.	III	Core Theory	Paper-6	3	3	Monetary Economics	25	75	100
21.	III	ALLIED-2	Paper-3	7	3	(to choose 1 out of 4) 5. Mathematical Economics I 6. Cost Accounting 7. Labour Economics 8. Business Communication	25	75	100
22.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
23.	IV	Non-major elective	Paper-1	2	2	Fundamentals of Corporate Economics I	25	75	100
				30	21		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
24.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
25.	II	English	Paper-4	6	4	English	25	75	100
26.	III	Core Theory	Paper-7	4	3	Indian Economic Development II	25	75	100
27.	III	Core Theory	Paper-8	3	3	Modern Banking	25	75	100
28.	III	ALLIED-2	Paper-4	7	5	(to choose 1 out of 4)	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
						9. Mathematical Economics II 10. Management Accounting 11. International Trade 12. Marketing Management			
29.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
30.	IV	Non-major elective	Paper-2	2	2	Fundamentals of Corporate Economics II	25	75	100
				30	23		175	525	700
SEMESTER V							CIA	Uni. Exam	Total
31.	III	Core Theory	Paper-9	6	5	Macro Economics I	25	75	100
32.	III	Core Theory	Paper-10	6	5	Fiscal Economics I	25	75	100
33.	III	Core Theory	Paper-11	6	4	Entrepreneurial Development	25	75	100
34.	III	Core Theory	Paper-12	6	4	Industrial Economics	25	75	100
35.	III	Elective	Paper-1	3	3	[to choose 1 out of 4] 8. Financial Markets and Systems 9. Industrial Organization I 10. Corporate Social Responsibility 11. Computer Application for Economics (Theory)	25	75	100
36.	IV	Skill based Subject	Paper-	3	2	Introduction to Research Methodology	25	75	100
				30	23		150	450	600
SEMESTER VI							CIA	Uni. Exam	Total
37.	III	Core Theory	Paper-13	6	4	Macro Economics II	25	75	100
38.	III	Core Theory	Paper-14	6	4	Public Finance	25	75	100
39.	III	Core Theory	Paper-15	5	4	Environmental Economics	25	75	100
40.	III	Compulsory Project	Paper-16	5	5	Group / Individual Project	25	75	100
41.	III	Elective	Paper-2	3	3	[to choose 1 out of 4] 7. Coporate Governance	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
						and Business Ethics 8. Industrial Organization II 9. Development Economics 4.Practical:Computer Application for Economics			
42.	III	Elective	Paper-3	3	3	[to choose 1 out of 4] 8. Economics for Human Resource Manage Management 9. Farm Management 10. Organisational Behaviour 11. Industrial Relations and Labour Laws	25	75	100
43.	IV	Skill based Subject	Paper-3	2	2	Digital Economy	25	75	100
44.	V	Extension Activities		0	1		100	-	100
45.		NMSDC III : Employability Readiness		0	0	Fintech Course I	-	-	-
				30	26		275	525	800
		TOTAL			142				4400

THIRUVALLUVAR UNIVERSITY

BACHELOR OF ARTS

B. A. DEFENCE AND STRATEGIC STUDIES

DEGREE COURSE

CBCS PATTERN

(With effect from 2022-2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs. /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	5	3	Fundamentals of War And Peace	25	75	100
4.	III	Core Theory	Paper-2	5	3	Defence Mechanism of India	25	75	100
5.	III	ALLIED -1	Paper-1	6	3	Outlines of Political Theory-I	25	75	100
6.	III	PE	Paper-1	6	3	Professional English I	25	75	100
7.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English (CE)	Paper-2	4	4	Communicative English I	25	75	100
10.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
11.	III	Core Theory	Paper-3	4	3	The Art of Warfare in India upto 15 th Century	25	75	100
12.	III	Core Theory	Paper-4	4	3	World military History-I (4 th cent. BC to Napoleonic Warfare	25	75	100
13.	III	ALLIED-1	Paper-2	6	5	Outlines of Political Theory-II	25	75	100
14.	III	PE	Paper-2	6	3	Professional English II	25	75	100
15.	IV	Value Education		2	2	Value Education	25	75	100
16.	IV	Soft Skill		2	1	Soft Skill	25	75	100

S.NO.	Part	Study Components		Ins. hrs. /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
				36	27		225	675	900

SEMESTER –III							CIA	Uni.Exa m	Total
17.	I	Language	Paper-3	6	4	Tamil/ Other Language	25	75	100
18.	II	English	Paper-3	6	4	English	25	75	100
19.	III	Core Theory	Paper-5	4	4	The Art of Warfare in India Since 16 th Century	25	75	100
20.	III	Core Theory	Paper-6	5	4	World military History-II (Since American War of Independence to World War II)	25	75	100
21.	III	ALLIED -I	Paper-3	5	3	General Economics-I	25	75	100
22.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
23.	IV	Non-major elective	Paper-1	2	2	Fundamentals of Defence and Strategic Studies	25	75	100
				30	23		175	525	700
SEMESTER –IV							CIA	Uni.Exa m	Total
24.	I	Language	Paper-4	6	4	Tamil/ Other Language	25	75	100
25.	II	Englis h	Paper-4	6	4	English	25	75	100
26.	III	Core Theory	Paper-7	5	4	International Relations and Organizations	25	75	100
27.	III	Core Theory	Paper-8	4	3	Limited wars	25	75	100
28.	III	ALLIED -I	Paper-4	5	5	General Economics-II	25	75	100
29.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
30.	IV	Non-major elective	Paper-2	2	2	Fundamentals National Security	25	75	100
				30	24		175	525	700
SEMESTER – V							CIA	Uni.Exa m	Total
31.	III	Core Theory	Paper-9	6	4	Armed forces and society	25	75	100
32.	III	Core Theory	Paper-10	6	4	Strategic thought	25	75	100
33.	III	Core Theory	Paper-11	6	4	Nuclear Warfare	25	75	100
34.	III	Core Theory	Paper-12	6	4	Defence Economics	25	75	100

35.	III	Internal Elective	Paper-1	3	3	(To choose any 1 out of 3) A. Warfare in independent India B. Military Geography C. Essentials of Public Administration	25	75	100
36.	IV	Skill based subject	Paper-2	3	2	Conflict and Media	25	75	100
				30	21		150	450	600
SEMESTER – VI							CIA	Uni.Exam	Total
37.	III	Core Theory	Paper-13	6	4	National Security of India	25	75	100
38.	III	Core Theory	Paper-14	5	4	Introduction to International Law	25	75	100
39.	III	Core Theory	Paper-15	5	3	Arms Control and Disarmament	25	75	100
40.	III	Compulsory Project	Paper-16	5	5		25	75	100
41.	III	Internal Elective	Paper-2	3	3	(To choose any 1 out of 3) A. Specialized Warfare B. Warfare and Technology C. Elementary Study of the Constitution of India	25	75	100
42.	III	Internal Elective	Paper-3	3	3	(To choose any 1 out of 3) A. Defence Management B. Human Rights C. Terrorism	25	75	100
43.	VI	Skill based subject	Paper-3	3	2	Basics of Defence Journalism	25	75	100
44.	V	Extension Activities		0	1		100	-	100
45.	-	NMSDC III : Employability Readiness		0	0	(choose any one) • Naandi • Unnati • Quest • Izpay • IBM Skills build	-	-	-
				30	25				
					142				4400

THIRUVALLUVAR UNIVERSITY

BACHELOR OF ARTS

B.A. ECONOMICS

DEGREE COURSE

CBCS PATTERN

(With effect from 2022 - 2023)

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	5	3	Micro Economics I	25	75	100
4.	III	Core Theory	Paper-2	5	3	Statistics for Economics I	25	75	100
5.	III	ALLIED -1	Paper-1	6	3	(To choose 1 out of 4) 17. History of India - I 18. Agricultural Economics 19. Basics of Computer Application I 20. Financial Accounting - I	25	75	100
6.	III	PE	Paper-1	6	3	Professional English I	25	75	100
7.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
10.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
11.	III	Core Theory	Paper-3	4	3	Micro Economics II	25	75	100
12.	III	Core Theory	Paper-4	4	3	Elementary Statistics for Economics II	25	75	100
13.	III	ALLIED-1	Paper-2	6	5	(To choose 1 out of 4) 1. History of India II 2. Agricultural Marketing 3. Basics of Computer Application II 4. Financial Accounting II	25	75	100
14.	III	PE	Paper-2	6	3	Professional English II	25	75	100
15.	IV	Value		2	2	Value Education	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exam	Total
		Education							
16.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27		200	600	800
S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
17.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
18.	II	English	Paper-3	6	4	English	25	75	100
19.	III	Core Theory	Paper-5	4	3	Indian Economy I	25	75	100
20.	III	Core Theory	Paper-6	4	3	Monetary Economics I	25	75	100
21.	III	ALLIED-2	Paper-3	6	3	(To choose 1 out of 4) 9. Economics of Entrepreneurship 10. Economic Development of Tamil Nadu - I 11. Women and the Economy 12. Cost and Management Accounting I	25	75	100
22.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
23.	IV	Non-major elective	Paper-1	2	2	Fundamentals of Economics I	25	75	100
				30	21		175	525	700
SEMESTER IV							CIA	Uni.Exam	Total
24.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
25.	II	English	Paper-4	6	4	English	25	75	100
26.	III	Core Theory	Paper-7	4	3	Indian Economy II	25	75	100
27.	III	Core Theory	Paper-8	4	3	Monetary Economics II	25	75	100
28.	III	ALLIED-2	Paper-4	6	5	(To choose 1 out of 4) 1. Basics Econometrics 2. Economic Development of Tamil Nadu II 3. Development Economics 4. Cost and Management Accounting II	25	75	100
29.	IV	NMSDC II : Digital Skills for	Paper-2	2	2	Office Fundamentals	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exam	Total
		Employability							
30.	IV	Non-major elective	Paper-2	2	2	Fundamentals of Economics II	25	75	100
				30	23		175	525	700
SEMESTER V							CIA	Uni.Exam	Total
31.	III	Core Theory	Paper-9	6	4	Macro Economics I	25	75	100
32.	III	Core Theory	Paper-10	6	5	Fiscal Economics I	25	75	100
33.	III	Core Theory	Paper-11	6	4	Managerial Economics	25	75	100
34.	III	Core Theory	Paper-12	6	4	Industrial Economics	25	75	100
35.	III	Internal Elective	Paper-1	3	3	[To choose 1 out of 4] 1.Environmental Economics I 2.International Trade I 3.Industrial Organization I 4.Economics of Capital Market and Digital Economy	25	75	100
36.	IV	Skill based Subject	Paper-2	3	2	Introduction to Research Methodology	25	75	100
				30	22		150	450	600
SEMESTER VI							CIA	Uni.Exam	Total
37.	III	Core Theory	Paper-13	6	5	Macro Economics II	25	75	100
38.	III	Core Theory	Paper-14	6	4	Fiscal Economics II	25	75	100
39.	III	Core Theory	Paper-15	5	4	History of Economic Thought	25	75	100
40.	III	Compulsory Project	Paper-16	5	5	Group / Individual Project	25	75	100
41.	III	Internal Elective	Paper-2	3	3	[To choose 1 out of 4] 1.Environmental Economics II 2.International Trade II 3.Industrial Organization II 4.Energy Economics	25	75	100
42.	III	Internal Elective	Paper-3	3	3	[To choose 1 out of 4] 1.Labour Economics 2.Insurance & Economics 3.Demography 4. Economics of Development and Planning	25	75	100
43.	III	NMSDC III : Digital Banking and	Paper-3	2	2	Fintech Course	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exam	Total
		Audit Essential for Employability							
44.	V	Extension Activities		0	1		100	-	100
				30	27		275	525	800
		TOTAL			142				4300

THIRUVALLUVAR UNIVERSITY
B.A. ENGLISH

SYLLABUS
UNDER CBCS
(With effect from 2022-2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
45.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
46.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
47.	III	Core Theory	Paper-1	5	3	Indian writing in English	25	75	100
48.	III	Core Theory	Paper-2	5	3	Advanced English Grammar	25	75	100
49.	III	ALLIED -1	Paper-1	6	3	Literary forms and glossary of terms	25	75	100
50.	III	PE	Paper-1	6	3	Professional English I	25	75	100
51.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
Sem. Total				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
52.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
53.	II	English (CE)	Paper-2	4	4	Communicative English I	25	75	100
54.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
55.	III	Core Theory	Paper-3	4	3	British Literature I	25	75	100
56.	III	Core Theory	Paper-4	4	3	American literature	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
						(classical and modern literature)			
57.	III	ALLIED-1	Paper-2	6	5	Social History of England	25	75	100
58.	III	PE	Paper-2	6	3	Professional English II	25	75	100
59.	IV	Value Education		2	2	Value Education	25	75	100
60.	IV	Soft Skill		2	1	Soft Skill	25	75	100
Sem. Total				36	27		200	600	800

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
61.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
62.	II	English	Paper-3	6	4	English	25	75	100
63.	III	Core Theory	Paper-5	4	4	British literature II	25	75	100
64.	III	Core Theory	Paper-6	5	4	Introduction to English Phonetics	25	75	100
65.	III	ALLIED-2	Paper-3	5	3	History of English literature I	25	75	100
66.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
67.	IV	Non-major elective	Paper-1	2	2	Language skills and communication I	25	75	100
Sem. Total				30	23		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
68.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
69.	II	English	Paper-4	6	4	English	25	75	100
70.	III	Core Theory	Paper-7	5	4	British literature III	25	75	100
71.	III	Core Theory	Paper-8	4	3	History of English Language	25	75	100
72.	III	ALLIED-2	Paper-4	5	5	History of English Literature II	25	75	100
73.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
74.	IV	Non-major elective	Paper-2	2	2	Language skills and communication II	25	75	100
Sem. Total				30	24		175	525	700
SEMESTER V							CIA	Uni. Exam	Total
75.	III	Core Theory	Paper-9	5	4	British literature IV	25	75	100
76.	III	Core Theory	Paper-10	6	4	Shakespeare	25	75	100
77.	III	Core Theory	Paper-11	6	4	Literary Criticism.	25	75	100
78.	III	Core Theory	Paper-12	6	4	Subaltern Literature	25	75	100
79.	III	Internal Elective	Paper-1	4	3	(to choose one out f two) C. Children Literature D. Journalism	25	75	100
80.	IV	Skill based Subject	Paper-2	3	2	Content writing	25	75	100
Sem. Total				30	21		150	450	600
SEMESTER VI							CIA	Uni. Exam	Total

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
81.	III	Core Theory	Paper-13	5	4	Contemporary Literature	25	75	100
82.	III	Core Theory	Paper-14	5	4	Indian Writing in Translation	25	75	100
83.	III	Core Theory	Paper-15	5	3	New Literatures in English	25	75	100
84.	III	Compulsory Project	Paper-16	5	5	Group / Individual Project	25	75	100
85.	III	Internal Elective	Paper-2	4	3	(to choose one out f two) C. English Information Technology D. Film appreciation and book review	25	75	100
86.	III	Internal Elective	Paper-3	3	3	(to choose one out f two) C. English for Specific Purpose D. Creative Writing	25	75	100
87.	IV	Skill based Subject	Paper-3	3	2	English Language Teaching	25	75	100
88.	V	Extension Activities		0	1		100	-	100
89.		NMSDC III : Employability Readiness		0	0	(choose any one) • Naandi • Unnati • Quest • Izpay • IBM Skills build	-	-	
Sem. Total				30	25		275	525	800
Grand Total					142				4300

THIRUVALLUVAR UNIVERSITY
BACHELOR OF ARTS
B.A. HISTORY
DEGREE COURSE
CBCS PATTERN

(With effect from 2022- 2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	5	3	History of India upto 1206CE	25	75	100
4.	III	Core Theory	Paper-2	5	3	History of India from 1206 to1707 CE	25	75	100
5.	III	ALLIED -1	Paper-1	6	3	(to choose any 1 out of 4) 5. Outlines of Political Theory- I 6. Studies on States and Governments- I 7. Principles of Public Administration - I 8. Principles of Sociology- I	25	75	100
6.	III	PE	Paper-1	6	3	Professional English– I	25	75	100
7.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
10.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
11.	III	Core Theory	Paper-3	4	3	History of India from 1707 to 1885CE	25	75	100
12.	III	Core Theory	Paper-4	4	3	History of India from 1885 to 1947 CE	25	75	100
13.	III	ALLIED-1	Paper-2	6	5	(to choose any 1 out of 4) 1. Outlines of Political Theory - II 2. Studies on States and Governments- II 3. Principles of Public Administration - II 4. Principles of Sociology – II	25	75	100
14.	III	PE	Paper-2	6	3	Professional English – II	25	75	100
15.	IV	Value		2	2	Value Education	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		Education							
16.	IV	Soft Skill		2	1	Soft Skills	25	75	100
				36	27		200	600	800
S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
17.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
18.	II	English	Paper-3	6	4	English	25	75	100
19.	III	Core Theory	Paper-5	4	3	History of India from1947 to 2014 CE	25	75	100
20.	III	Core Theory	Paper-6	4	3	History of TamilNaduupto 1336 CE	25	75	100
21.	III	ALLIED-2	Paper-3	6	3	(to choose 1 out of 4) 13.Tourism - I 14.Indian Economy - I 15. Media Studies - I 16.Journalism– I	25	75	100
22.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
23.	IV	Non-major elective	Paper-1	2	2	(to choose 1 out of 2) 3. Fundamentals of Defence and Strategic Studies 4. National Movement in India	25	75	100
				30	21		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
24.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
25.	II	English	Paper-4	6	4	English	25	75	100
26.	III	Core Theory	Paper-7	4	3	History of TamilNadu from 1336 to 1806 CE	25	75	100
27.	III	Core Theory	Paper-8	4	3	History of TamilNadu from 1806 to 2011 CE	25	75	100
28.	III	ALLIED-2	Paper-4	6	5	(to choose 1 out of 4) 5. Tourism - II 6. Indian Economy - II 7. Media Studies - II 8. Journalism - II	25	75	100
29.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
30.	IV	Non-major elective	Paper-2	2	2	(to choose 1 out of 2) 3. Fundamentals of National Security 4. Indian Constitution	25	75	100
				30	23		175	525	700

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER V							CIA	Uni. Exam	Total
31.	III	Core Theory	Paper-9	6	4	History of Europe from 1453 to 1789 CE	25	75	100
32.	III	Core Theory	Paper-10	6	4	History of USA from 1861 to 1932 CE	25	75	100
33.	III	Core Theory	Paper-11	6	5	History of China and Japan from 1900 to 2000 CE	25	75	100
34.	III	Core Theory	Paper-12	6	4	Constitutional History of India from 1773 to 1950 CE	25	75	100
35.	III	Internal Elective	Paper-1	3	3	[to choose 1 out of 3] 4. History of Freedom movement in TamilNadu from 1800 to 1947 CE 5. Women Development in TamilNadu from 1900 to 2000 CE 6. Archaeology –I	25	75	100
36.	IV	Skill based Subject	Paper-2	3	2	Competitive Examinations	25	75	100
				30	22		150	450	600
SEMESTER VI							CIA	Uni. Exam	Total
37.	III	Core Theory	Paper-13	6	5	History of Europe from 1789 to 1945 CE	25	75	100
38.	III	Core Theory	Paper-14	5	4	History of USA from 1932 to 2000 CE	25	75	100
39.	III	Core Theory	Paper-15	5	4	International Relations since 1945 CE	25	75	100
40.	III	Compulsory Project	Paper-16	5	5	Group / Individual Project	25	75	100
41.	III	Internal Elective	Paper-2	3	3	[to choose 1 out of 4] 5. History of Science and Technology in India upto 1900 CE 6. Dravidian Movement in TamilNadu upto 1947 CE 7. History of the Arabs from 750 to 1258 CE 8. History of Russia from early times to 1917 CE	25	75	100
42.	III	Internal Elective	Paper-3	3	3	[to choose 1 out of 4] 5. History of Science and Technology since 1900 CE 6. Dravidian Movement in TamilNadu since 1947 CE 7. An introduction to Museology 8. Archaeology –II	25	75	100
43.	IV	Skill Based Subject	Paper-3	3	2	Growth of Panchayat Raj Institutions in TamilNadu	25	75	100
44.	V	Extension Activities		0	1		100	-	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
45.		NMSDC III : Employability Readiness		0	0	(choose any one) • Naandi • Unnati • Quest • Izpay • IBM Skills build	-	-	
				30	27		275	525	800
		TOTAL			142				

THIRUVALLUVAR UNIVERSITY

BACHELOR OF ARTS

B.A. POLITICAL SCIENCE

DEGREE COURSE

CBCS PATTERN

(With effect from 2022-2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	5	3	Political Theory	25	75	100
4.	III	Core Theory	Paper-2	5	3	History of India from 1707AD to 1885 AD	25	75	100
5.	III	Allied - I	Paper-1	6	3	Constitution of India	25	75	100
6.	III	PE	Paper-1	6	3	Professional English I	25	75	100
7.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English (CE)	Paper-2	4	4	Communicative English I	25	75	100
10.	II	NMSDC I : Language Proficiency for Employability	Paper 1	2	2	Effective English	25	25	100
11.	III	Core Theory	Paper-3	5	3	Structure, Functions of Government and Political Process	25	75	100
12.	III	Core Theory	Paper-4	5	3	Human Rights	25	75	100
13.	III	Allied-I	Paper-2	6	5	Public Relations	25	75	100
14.	III	PE	Paper-2	4	3	Professional English II	25	75	100
15.	IV	Value Education		2	2	Value Education	25	75	100
16.	IV	Soft Skill		2	1	Soft Skill	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
				36	27		225	625	900

SEMESTER III

CIA Uni. Exam Total

45.	I	Language	Paper-3	6	4	Tamil/other Languages	25	75	100
46.	II	English	Paper-3	6	4	English	25	75	100
47.	III	Core Theory	Paper-5	5	4	Modern Governments- I (UK,USA & Switzerland)	25	75	100
48.	III	Core Theory	Paper-6	4	4	Western Political Thought-I (Plato, Machiavelli)	25	75	100
49.	III	Allied-II	Paper-3	5	3	History of India 1885-2001	25	75	100
50.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
51.	IV	Non-major elective	Paper 1	2	2	Indian National Movement	25	75	100
Total				30	23		175	525	700

SEMESTER IV

52.	I	Language	Paper-4	6	4	Tamil/other Languages	25	75	100
53.	II	English	Paper-4	6	4	English	25	75	100
54.	III	Core Theory	Paper-7	5	4	Modern Governments-I (France, China, Japan)	25	75	100
55.	III	Core Theory	Paper-8	4	3	Western Political Thought II	25	75	100
56.	III	Allied-II	Paper-4	5	5	Principles of Public	25	75	100

						Administration			
57.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
58.	IV	NME-II	Paper 2	2	2	Judicial System in India	25	75	100
		Total		30	24		175	525	700
SEMESTER V									
59.	III	Core Theory	Paper-9	7	4	Government and Politics in Tamil Nadu	25	75	100
60.	III	Core Theory	Paper-10	6	4	Contemporary Political Ideologies	25	75	100
61.	III	Core Theory	Paper-11	6	4	Modern Political Theory	25	75	100
62.	III	Core Theory	Paper-12	6	4	Indian Political System	25	75	100
63.	III	Elective	Paper -1	3	2	Social Welfare Administration	25	75	100
64.	IV	Skill Based Subject	Paper-2	2	3	NGO Management	25	75	100
		Total		30	21		150	450	600
SEMESTER VI									
65.	III	Core Theory	Paper-13	5	4	Indian Political Thought	25	75	100
66.	III	Core Theory	Paper-14	5	4	E. Governance	25	75	100
67.	III	Core Theory	Paper-15	5	3	Citizen and Civic Engagement	25	75	100

68.	III	Compulsory Project	Paper-16	5	5	Group / Individual Project	25	75	100
69.	III	Elective -I	Paper-2	4	3	International Relations	25	75	100
70.	III	Elective- II	Paper-3	3	3	Parliamentary System in India	25	75	100
71.	IV	Skill Based Subject	Paper-3	3	2	Local Governance and Administration in India	25	75	100
72.	V	Extension Activities	Paper -1	0	1	Extension Activities	100	0	100
73.		NMSDC III : Employability Readiness		0	0	(choose any one)	-	-	-
						• Naandi • Unnati • Quest • Izpay • IBM Skills build			
		Total		30	25		275	525	800
		36			142				4300

THIRUVALLUVAR UNIVERSITY

BACHELOR OF ARTS

DEGREE COURSE

B.A. TAMIL

CBCS PATTERN

(With effect from 2022 – 2023)

The Course of Study and the Scheme of Examination

S. No.	Part	Study Components		Ins. Hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni.Exa m	Total
SEMESTER I							CIA	Uni.Exa m	Total
1.	I	Language	Paper-1	6	4	தமிழ்/பிறமொழிகள்	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I இக்கால இலக்கியம்	25	75	100
3.	III	Core Theory	Paper-1	5	3	(கவிதை, உரைநடை, நாடகம், புதினம், சிறுகதை)	25	75	100
4.	III	Core Theory	Paper-2	4	3	இலக்கணம் - 1 நன்னூல் (எழுத்ததிகாரம்)	25	75	100
5.	III	ALLIED – 1	Paper-1	7	4	தமிழக வரலாறும் பண்பாடும்	25	75	100
6.	III	PE	Paper-1	6	3	Professional English I	25	75	100
7.	IV	Environment Studies		2	2	சுற்றுச் சூழல் பிரிவுகள்	25	75	100
TOTAL				36	23		175	450	600
SEMESTER II							CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	தமிழ்/பிறமொழிகள்	25	75	100

9.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
NMSDC I :									
10.	II	Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
இக்கால இலக்கியம்									
11.	III	Core Theory	Paper-3	4	3	(கவிதை, உரைநடை, நாடகம், புதினம், சிறுகதை)	25	75	100
12.	III	Core Theory	Paper-4	3	3	இலக்கணம் - 2 நன்னூல் (சொல்லதிகாரம்)	25	75	100
13.	III	ALLIED – 1	Paper-2	7	5	தமிழக வரலாறும் பண்பாடும்	25	75	100
14.	III	PE	Paper-1	6	3	Professional English II	25	75	100
15.	IV	Value Education		2	2	மதிப்புக் கல்வி	25	75	100
16.	IV	Soft Skill		2	1	Soft Skill	25	75	100
TOTAL				36	27		225	675	900

S. No.	Part	Study Components		Ins. Hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
17.	I	Language	Paper-3	6	4	தமிழ்/பிறமொழிகள்	25	75	100
18.	II	English	Paper-3	6	4	ஆங்கிலம்	25	75	100
19.	III	Core Theory	Paper-5	3	3	இலக்கியம் 3 சமயப்பாடல்களும் சிற்றிலக்கியங்களும்	25	75	100
20.	III	Core Theory	Paper-6	3	3	இலக்கணம் - 3யாப்பருங்கலக்காரிகை	25	75	100

21.	III	ALLIED – 2	Paper-3	7	4	தமிழ் இலக்கிய வரலாறு - 1	25	75	100
22.	IV	NMSDC: Digital Skills for Employability	Paper-1	3	2	Microsoft Office Essentials	25	75	100
23.	IV	Non-major elective	Paper-1	2	2	தமிழ்மொழி – அடிப்படை இலக்கணம்	25	75	100
TOTAL				30	22		175	525	700

SEMESTER IV

							<i>CIA</i>	<i>Uni. Exam</i>	<i>Total</i>
24.	I	Language	Paper-4	6	4	தமிழ்/பிறமொழிகள்	25	75	100
25.	II	English	Paper-4	6	4	ஆங்கிலம்	25	75	100
26.	III	Core Theory	Paper-7	4	3	இலக்கியம் 4 காப்பியங்கள்	25	75	100
27.	III	Core Theory	Paper-8	3	3	இலக்கணம் - 4தண்டியலங்காரம் (பொருளணியியல் மட்டும்)	25	75	100
28.	III	ALLIED – 2	Paper-4	7	4	தமிழ் இலக்கிய வரலாறு - 2	25	75	100
29.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
30.	IV	Non-major elective	Paper-2	2	2	இணையம்	25	75	100
TOTAL				30	22		175	525	700

SEMESTER V

							<i>CIA</i>	<i>Uni. Exam</i>	<i>Total</i>
31.	III	Core Theory	Paper-9	5	4	சங்க இலக்கியம் (அகம்)	25	75	100
32.	III	Core Theory	Paper-10	6	5	இலக்கணம் 5 (அகம்)	25	75	100
33.	III	Core Theory	Paper-11	6	4	தமிழ்மொழி வரலாறு	25	75	100

34.	III	Core Theory	Paper-12	6	4	இலக்கியத் திறனாய்வு (கீழ்க்கண்ட மூன்றில் ஏதேனும் ஒன்றைத் தெரிவுசெய்துகொள்ளலாம்)	25	75	100
35.	III	Elective	Paper-1	4	3	அ. தகவல் தொழில்நுட்பம் ஆ. நாட்டுப்புறவியல் இ. விளம்பரக்கலை	25	75	100
36.	IV	Skill based Subject	Paper-2	3	2	தொல்லியல்	25	75	100
TOTAL				30	22		150	450	600

S. No.	Part	Study Components Course Title	Ins. Hrs /week	Credit	Title of the Paper	Maximum Marks			
SEMESTER VI						CIA	Uni. Exam	Total	
37.	III	Core Theory	Paper-13	5	4	சங்க இலக்கியம் (புறம்)	25	75	100
38.	III	Core Theory	Paper-14	5	4	இலக்கணம் 6 (புறம்)	25	75	100
39.	III	Core Theory	Paper-15	5	4	திராவிட மொழிகளின் ஒப்பிலக்கணம்	25	75	100
40.	III	Compulsory Project	Paper-16	5	5	Group / Individual Project (கீழ்க்கண்ட மூன்றில் ஏதேனும் ஒன்றைத் தெரிவுசெய்துகொள்ளலாம்)	25	75	100
41.	III	Elective	Paper-2	4	3	அ. இதழியல் ஆ. புத்தக பதிப்பியல் இ. தமிழ் உரைநடை வரலாறு	25	75	100
42.	III	Elective	Paper-3	4	3	(கீழ்க்கண்ட மூன்றில் ஏதேனும் ஒன்றைத் தெரிவுசெய்துகொள்ளலாம்)	25	75	100

தெரிவுசெய்துகொள்ளலாம்)

அ. தமிழர் அழகுக் கலைகள்

ஆ. பெண்ணியம்

இ. சுற்றுலாவியல்

43.	IV	Skill based Subject	Paper-3	2	2	தகவல் தொடர்பியல்	25	75	100
44.	V	Extension Activities		0	1	விரிவாக்கச் செயல்பாடுகள்	100	-	100
(choose any one)									
45.	NMSDC III :					• Naandi			
	Employability			0	0	• Unnati	-	-	
	Readiness					• Quest			
						• Izpay			
						• IBM Skills build			
TOTAL				30	26		250	450	700

THIRUVALLUVAR UNIVERSITY
BACHELOR OF BUSINESS ADMINISTRATION
DEGREE COURSE
CBCS PATTERN
(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
43.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
44.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
45.	III	Core Theory	Paper-1	5	3	Principles of Management	25	75	100
46.	III	Core Theory	Paper-2	5	3	Business Mathematics & Statistics I	25	75	100
47.	III	ALLIED -1	Paper-1	6	3	(to choose any 1 out of 3) D. Business Organization E. Principles of Insurance F. Business Ethics	25	75	100
48.	III	PE	Paper-1	6	3	Professional English I	25	75	100
49.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
50.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
51.	II	English (CE)	Paper-2	4	4	Communicative English I	25	75	100
52.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
53.	III	Core Theory	Paper-3	4	3	Business Environment	25	75	100
54.	III	Core Theory	Paper-4	4	3	Business Mathematics & Statistics II	25	75	100
55.	III	ALLIED-1	Paper-2	6	5	(to choose any 1 out of 3) D. Customer Relationship Management E. Principles of Banking System F. Fundamentals of Computer	25	75	100
56.	III	PE	Paper-2	6	3	Professional English II	25	75	100
57.	IV	Value		2	2	Value Education	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		Education							
58.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27		225	675	900

SEMESTER III							CIA	Uni. Exam	Total
59.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
60.	II	English	Paper-3	6	4	English	25	75	100
61.	III	Core Theory	Paper-6	5	4	Financial Accounting	25	75	100
62.	III	Core Theory	Paper-7	5	4	Human Resource Management	25	75	100
63.	III	ALLIED-2	Paper-3	4	3	(to choose any 1 out of 3) D. Office Management E. Service Marketing F. Tourism Management	25	75	100
64.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
65.	IV	Non-major elective	Paper-1	2	2	Management Concepts	25	75	100
				30	23		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
66.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
67.	II	English	Paper-4	6	4	English	25	75	100
68.	III	Core Theory	Paper-9	5	4	Organizational Behavior	25	75	100
69.	III	Core Theory	Papr-11	4	4	Management Accounting	25	75	100
70.	III	ALLIED-2	Paper-4	5	5	(to choose any 1 out of 3) D. Retail Management E. Project Management F. Hotel Management	25	75	100
71.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
72.	IV	Non-major elective	Paper-2	2	2	Training and Development	25	75	100

				30	25		175	525	700
SEMESTER V							CIA	Uni. Exam	Total
73.	III	Core Theory	Paper-13	6	4	Marketing Management	25	75	100
74.	III	Core Theory	Paper-14	6	4	Business Law	25	75	100
75.	III	Core Theory	Paper-15	5	4	Research Methodology	25	75	100
76.	III	Core Theory	Paper-16	5	4	Production and Management	25	75	100
77.	III	Elective	Paper-1	5	3	(To choose any 1 out of 3) A. Industrial Relations and Labour Laws B. Reward Management C. Change Management	25	75	100
78.	IV	Skill based Subject	Paper-2	3	2	E-Business	25	75	100
				30	21		150	450	600
SEMESTER VI							CIA	Uni. Exam	Total
79.	III	Core Theory	Paper-17	6	5	Strategic Management	25	75	100
80.	III	Core Theory	Paper-18	6	5	International Business	25	75	100
81.	III	Core	Paper-19	6	5	Individual Project *Viva-Voce ** Project Report	25*	75**	100
82.	III	Elective	Paper-2	5	3	(to choose any 1 out of 3) D. Financial Management E. Financial Services F. Investment Management	25	75	100
83.	III	Elective	Paper-3	5	3	(to choose any 1 out of 3) A. Marketing Research B. Rural Marketing Management C. Advertising and Sales Management	25	75	100
84.	III	NMSDC III : Digital banking and Audit Essentials for Employability	Paper-3	2	2	Fintech Course	25	75	100
85.	V	Extension Activities		0	1	Extension Activities	100	0	100
		Total		30	24		150	450	700
					142				4200

THIRUVALLUVAR UNIVERSITY

BACHELOR OF COMPUTER APPLICATIONS DEGREE COURSE

CBCS PATTERN

(With effect from 2022-2023 onwards)

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	6	4	Programming in C	25	75	100
4.	III	Core Practical	Practical -1	3	2	Programming in C Lab	25	75	100
5.	III	Allied -1	Paper-1	7	3	Mathematical Foundations - I	25	75	100
6.	III	PE	Paper 1	6	3	Professional English I	25	75	100
7.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Total		36	22		175	525	700
		SEMESTER II					CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
10.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
11.	III	Core Theory	Paper-2	5	4	C++ and Data Structures	25	75	100
12.	III	Core Practical	Practical -2	2	2	C++ and Data Structures Lab	25	75	100
13.	III	Allied-1	Paper-2	7	5	Mathematical Foundations - II	25	75	100
14.	III	PE	Paper 2	6	3	Professional English II	25	75	100
15.	IV	Value Education		2	2	Value Education	25	75	100
16.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Total		36	27		200	600	800

SEMESTER III							CI A	Un i. Exa m	Tot al
16.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
17.	II	English	Paper-3	6	4	English	25	75	100
18.	III	Core Theory	Paper-3	4	4	Programming in JAVA	25	75	100
19.	III	Core Practical	Practical-3	3	3	Programming in JAVA Lab	25	75	100
20.	III	ALLIED-2	Paper-3	7	3	Financial Accounting-I	25	75	100
21.	IV	NMSDC: Programming Essentials for Employability	Paper-1	2	2	Fundamentals of coding and cloud	25	75	100
22.	IV	Non-Major Elective	Paper-1	2	2	Introduction to Information Technology	25	75	100
		Sem. Total		30	22		175	525	700
SEMESTER IV							CI A	Un i. Exa m	Tot al
23.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
24.	II	English	Paper-4	6	4	English	25	75	100
25.	III	Core Theory	Paper-6	3	4	Relational Database Management Systems	25	75	100
26.	III	Core Practical	Practical-4	3	3	RDBMS Lab	25	75	100
27.	III	ALLIED-2	Paper-4	7	5	Financial Accounting-II	25	75	100
28.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
29.	IV	Non-Major Elective	Paper-2	2	2	Internet Technology	25	75	100
		Sem. Total		30	24		175	525	700

SEMESTER V							CI A	Un i. Exa m	Tot al
30.	III	Core Theory	Paper-9	6	4	Mobile Application Development	2 5	7 5	10 0
31.	III	Core Theory	Paper-10	6	4	Operating System	2 5	7 5	10 0
32.	III	Core Theory	Paper –11	4	2	Design and Analysis of Algorithms	2 5	7 5	10 0
33.	III	Core Practical	Practical-5	4	3	Mobile Applications Development-Lab	2 5	7 5	10 0
34.	III	Core Practical	Practical-6	4	3	Operating System-Lab	2 5	7 5	10 0
35.	III	Internal Elective I	Paper-1	3	3	(Choose any one) A. Data Mining B. Information Security C. Software Testing	2 5	7 5	10 0
36.	IV	Skill Based Subject III	Paper– 2	3	2	Software Engineering	2 5	7 5	10 0
		Sem. Total		30	21		175	525	700
SEMESTER VI							CI A	Uni. Exa m	Tot al
37	III	Core Theory	Paper-12	5	4	Open Source Software	2 5	7 5	10 0
38	III	Core Theory	Paper-13	4	4	Python programming	2 5	7 5	10 0
39	III	Core Practical	Practical-7	4	2	Python programming Lab	2 5	7 5	10 0
40	III	Core Practical	Practical-8	4	2	Open Source Programming - Lab	2 5	7 5	10 0
41	III	Core Project		5	5	Group/ Individual Project Work	2 5	7 5	10 0
42	III	Internal Elective II	Paper-2	3	3	(Choose any one) 1. Big Data Analytics 2. Cryptography 3. Digital Image Processing	2 5	7 5	10 0

43	III	Internal Elective III	Paper-3	3	3	(Choose any one) 1. Artificial Intelligence 2. System Software 3. Mobile Computing	2 5	7 5	10 0
44	III	NMSDC III : Emerging Technology for Employability II	Paper-3	2	2	(Choose any one) • PBL Android App Development • Machine Learning	2 5	7 5	10 0
45	V	Extension Activities		0	1		1 0 0	0	10 0
		Sem. Total		30	2 6		3 0 0	600	90 0
					142				45 00

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115
(B.COM – GENERAL) – 2022-2023 onwards

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
1.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
3.	III	Core Theory	Paper-1	5	3	Financial Accounting -I	25	75	100
4.	III	Core Theory	Paper-2	5	3	Business Organization	25	75	100
5.	III	ALLIED -1	Paper-1	6	3	(to choose 1 out of 3) 4. Indian Economy I 5. Elements of Insurance 6. Consumerism	25	75	100
6.	III	PE	Paper-1	6	3	Professional English I	25	75	100
7.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
8.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
9.	II	English (CE)	Paper-2	4	4	Communicative English I	25	75	100
10.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
11.	III	Core Theory	Paper-3	4	3	Financial Accounting –II	25	75	100
12.	III	Core Theory	Paper-4	4	3	Office management	25	75	100
13.	III	ALLIED-1	Paper-2	6	5	(to choose 1 out of 3) 7. Indian Economy II 8. Merchant banking 9. Business Mathematics	25	75	100
14.	III	PE	Paper-2	6	3	Professional English II	25	75	100
15.	IV	Value Education		2	2	Value Education	25	75	100
16.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27		200	600	800
SEMESTER III							CIA	Uni. Exam	Total
17.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
18.	II	English	Paper-3	6	4	English	25	75	100
19.	III	Core Theory	Paper-5	5	4	Corporate Accounting I	25	75	100
20.	III	Core Theory	Paper-6	3	3	Legal Aspects of Business	25	75	100
21.	III	ALLIED-2	Paper-3	6	3	Business Economics I	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
22.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
23.	IV	Non-major elective	Paper-1	2	2	General commercial Knowledge	25	75	100
				30	22		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
24.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
25.	II	English	Paper-4	6	4	English	25	75	100
26.	III	Core Theory	Paper-9	4	4	Corporate Accounting II	25	75	100
27.	III	Core Theory	Paper-10	4	2	Business Management	25	75	100
28.	III	ALLIED-2	Paper-4	6	5	Business Economics II	25	75	100
29.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
30.	IV	Non-major elective	Paper-2	2	2	Advertisement and Salesmanship	25	75	100
				29	23		175	525	700
SEMESTER V							CIA	Uni. Exam	Total
31.	III	Core Theory	Paper-13	6	4	Cost accounting I	25	75	100
32.	III	Core Theory	Paper-14	5	4	Practical Auditing	25	75	100
33.	III	Core Theory	Paper-15	6	5	Management Accounting	25	75	100
34.	III	Core Theory	Paper-16	6	4	Income Tax Law and Practice I	25	75	100
35.	III	Elective	Paper-1	4	3	(to choose 1 out of 3) 1. Entrepreneurial Development 2. Business Environment 3. Management Information System	25	75	100
36.	IV	Skill based Subject	Paper-2	3	2	Principles of marketing	25	75	100
				30	22		150	450	600
SEMESTER VI							CIA	Uni. Exam	Total
37.	III	Core Theory	Paper-17	5	4	Cost accounting II	25	75	100
38.	III	Core Theory	Paper-18	5	4	Income Tax law and practice II	25	75	100
39.	III	Core Theory	Paper-19	5	4	Financial management	25	75	100
40.	III	Compulsory Project	Paper-20	5	5	Individual / Group Project	25	75	100
41.	III	Elective	Paper-2	4	3	(To choose one out of 3) 4. Innovation management 5. Logistics	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
						management 6. Service Marketing			
42.	III	Elective	Paper-3	4	3	(To choose one out of 3) 4. Customs and GST 5. Investment Management 6. Financial services	25	75	100
43.	III	NMSDC III : Digital banking and Audit Essentials for Employability	Paper-3	2	2	Fintech Course	25	75	100
44.	V	Extension Activities		0	1		100	-	100
				30	26		275	525	800
		TOTAL			142				

B.COM. (COMPUTER APPLICATION)

CBCS PATTERN (With effect from 2020 - 2021)

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	5	3	Financial Accounting – I	25	75	100
47.	III	Core Theory	Paper-2	5	3	Business Applications & Accounting Software	25	75	100
48.	III	ALLIED -1	Paper-1	6	3	(To choose one out of 3) 1. Indian Economy – I 2. Business Statistics – I 3 . Consumer Protection and Consumer Rights	25	75	100
49.	III	PE	Paper-1	6	3	Professional English I	25	75	100
50.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
51.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
52.	II	English (CE)	Paper-2	4	4	Communicative English I	25	75	100
53.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
54.	III	Core Theory	Paper-3	4	3	Financial Accounting – II	25	75	100
55.	III	Core Practical	Practical-1	4	3	Software & Tally Lab	25	75	100
56.	III	ALLIED-1	Paper-2	6	5	(To choose one out of 3) 1. Indian Economy – II 2. Logistic Management 3. Business Statistics – II	25	75	100
57.	III	PE	Paper-2	6	3	Professional English II	25	75	100
58.	IV	Value Education		2	2	Value Education	25	75	100
59.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27		200	600	800
SEMESTER III							CIA	Uni. Exam	Total
60.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
61.	II	English	Paper-3	6	4	English	25	75	100
62.	III	Core Theory	Paper-4	5	4	Corporate Accounting - I	25	75	100
63.	III	Core	Paper-7	3	3	Management Information Systems (MIS)	25	75	100
64.	III	ALLIED-2	Paper-3	6	3	Merchant Banking	25	75	100
65.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
66.	IV	Non-Major Elective	Paper-1	2	2	Elements of Accountancy	25	75	100
				30	22		175	525	700
SEMESTER IV									
67.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
68.	II	English	Paper-4	6	4	English	25	75	100
69.	III	Core Theory	Paper-8	4	3	Corporate Accounting - II	25	75	100
70.	III	Core Theory	Paper-9	4	4	RDBMS & LAB	25	75	100
71.	III	ALLIED-2	Paper-4	6	5	E-Commerce & Its Applications	25	75	100
72.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
73.	IV	Non-Major Elective	Paper-2	2	2	Advertising and Salesmanship	25	75	100
				30	24		175	525	700
SEMESTER V									
74.	III	Core Theory	Paper-11	6	4	Cost Accounting - I	25	75	100
75.	III	Core Theory	Paper-12	6	4	Management Accounting	25	75	100
76.	III	Core Theory	Paper-13	6	4	Business Management	25	75	100
77.	III	Core Theory	Paper-14	6	4	Internet & Its Applications	25	75	100
78.	III	Internal Elective	Paper-1	4	3	(To choose one out of 3) 4. Entrepreneurial Development 5. Practical Auditing 6. Income Tax Law & Practice - I	25	75	100
79.	IV	Skill based Subject	Paper-2	2	2	Financial Management	25	75	100
				30	21		150	450	600
SEMESTER VI									
80.	III	Core Theory	Paper-15	5	5	Cost Accounting - II	25	75	100
81.	III	Core Theory	Paper-16	5	4	Web Technology	25	75	100
82.	III	Core Practical	Paper-3	5	4	Web Technology Lab	25	75	100
83.	III	Compulsory Project	Paper-17	5	5	(Individual / Group Project)	25	75	100
84.	III	Internal Elective	Paper-2	4	3	(To choose one out of 3) 4. Income Tax Law & Practice – II 5. Business Environment 6. Services Marketing	25	75	100

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
85.	III	Internal Elective	Paper-3	4	3	(To choose one out of 3) 1. Software Engineering 2. Data Mining 3. Internet of Things	25	75	100
86.	III	NMSDC III : Digital banking and Audit Essentials for Employability	Paper-3	2	2	Fintech Course	25	75	100
87.	V	Extension Activities		-	1		100	-	100
				30	26		275	525	800
					142				

THIRUVALLUVAR UNIVERSITY
B.Com. (CORPORATE SECRETARYSHIP)
DEGREE COURSE
CBCS PATTERN

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	5	3	Financial Accounting I	25	75	100
47.	III	Core Theory	Paper-2	5	3	Business Management	25	75	100
48.	III	ALLIED -1	Paper-1	6	3	(to choose 1 out of 4) 21. Managerial Economics I 22. Corporate E-Management I 23. Principles of Marketing 24. Elements of insurance	25	75	100
49.	III	PE	Paper-1	6	3	Professional English I	25	75	100
50.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
51.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
52.	II	English (CE)	Paper-2	4	4	Communicative English I	25	75	100
53.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
54.	III	Core Theory	Paper-3	4	3	Financial Accounting II	25	75	100
55.	III	Core Theory	Paper-4	4	3	Human Resource Management	25	75	100
56.	III	ALLIED-1	Paper-2	6	5	(to choose 1 out of 4) 5. Managerial Economics II 6. Corporate E-Management II 7. Office Management 8. Fundamentals of Information Technology	25	75	100
57.	III	PE	Paper-2	6	3	Professional English II	25	75	100
58.	IV	Value Education		2	2	Value Education	25	75	100
59.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27		225	675	900

S.NO .	Part	Study Components	Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title				CIA	Uni. Exam	Total

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
60.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
61.	II	English	Paper-3	6	4	English	25	75	100
62.	III	Core Theory	Paper-5	4	3	Company law and Secretarial Practice I	25	75	100
63.	III	Core Theory	Paper-6	3	3	Corporate Accounting I	25	75	100
64.	III	ALLIED-2	Paper-3	7	3	(to choose 1 out of 4) 5. Statistics I 6. Introduction to Tally Accounting 7. Corporate Finance 8. International Trade	25	75	100
65.	IV	Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
66.	IV	Non-major elective	Paper-1	2	2	Services Marketing	25	75	100
				30	21		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
67.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
68.	II	English	Paper-4	6	4	English	25	75	100
69.	III	Core Theory	Paper-7	4	3	Company law and Secretarial Practice II	25	75	100
70.	III	Core Theory	Paper-8	3	3	Corporate Accounting II	25	75	100
71.	III	ALLIED-2	Paper-4	7	5	(to choose 1 out of 4) 5. Statistics II 6. Business Mathematics 7. Investment Management 8. Organizational Behaviour	25	75	100
72.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
73.	IV	Non-major elective	Paper-2	2	2	Project Management	25	75	100
				30	23		175	525	700
SEMESTER V							CIA	Uni. Exam	Total
74.	III	Core Theory	Paper-9	6	4	Cost Accounting	25	75	100
75.	III	Core Theory	Paper-10	6	4	Financial Services	25	75	100
76.	III	Core Theory	Paper-11	6	4	Income Tax Law and Practice I	25	75	100
77.	III	Core Theory	Paper-12	6	4	Commercial Law	25	75	100
78.	III	Internal Elective	Paper-1	4	3	[to choose 1 out of 3] 12. Entrepreneurial Development 13. Industrial Relation 14. Corporate Legal Framework	25	75	100
79.	IV	Skill based Subject	Paper-2	2	2	Research Methodology	25	75	100
				30	21		150	450	600

S.NO .	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER VI							CIA	Uni. Exam	Total
80.	III	Core Theory	Paper-13	6	5	Management Accounting	25	75	100
81.	III	Core Theory	Paper-14	6	5	Auditing	25	75	100
82.	III	Core Theory	Paper-15	5	4	Income Tax Law and Practice II	25	75	100
83.	III	Compulsory Project	Paper-16	5	5	Group / Individual Project	25	75	100
84.	III	Internal Elective	Paper-2	3	3	[to choose 1 out of 3] 10. Corporate Communication 11. Banking Theory and Practice 12. Financial Management	25	75	100
85.	III	Internal Elective	Paper-3	3	3	[to choose 1 out of 3] 12. Marketing Management 13. Corporate Social Responsibility 14. Corporate Governance in India	25	75	100
86.	III	NMSDC III : Digital Banking and Audit Essentials for Employability	Paper-4	2	2	Fintech Course	25	75	100
87.	V	Extension Activities		0	1		100	-	100
				30	28		275	525	800
TOTAL					142				4400

B.COM. (FINANCE AND ACCOUNTS)
DEGREE COURSE
CBCS PATTERN
 (With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	5	3	Financial Accounting -I	25	75	100
47.	III	Core Theory	Paper-2	5	3	Financial Services	25	75	100
48.	III	ALLIED -1	Paper-1	6	3	(to choose 1 out of 3) 4. Indian Economy 5. Business Communication 6. Logistics Management	25	75	100
49.	III	PE	Paper-1	6	3	Professional English I	25	75	100
50.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
51.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
52.	II	English (CE)	Paper-2	4	4	Communicative English I	25	75	100
53.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
54.	III	Core Theory	Paper-3	4	3	Financial Accounting –II	25	75	100
55.	III	Core Theory	Paper-4	4	3	Merchant Banking	25	75	100
56.	III	ALLIED-1	Paper-2	6	5	(to choose 1 out of 3) 10. Business Economics 11. Business Mathematics 12. Office Management	25	75	100
57.	III	PE	Paper-2	6	3	Professional English II	25	75	100
58.	IV	Value Education		2	2	Value Education	25	75	100
59.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27		200	600	800
S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER III							CIA	Uni. Exam	Total
60.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
61.	II	English	Paper-3	6	4	English	25	75	100
62.	III	Core Theory	Paper-5	4	4	Corporate Accounting I	25	75	100
63.	III	Core Theory	Paper-7	4	3	Financial Management	25	75	100
64.	III	ALLIED-2	Paper-3	6	3	Business Statistics	25	75	100
65.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
66.	IV	Non-major elective	Paper-1	2	2	General commercial Knowledge	25	75	100
				30	22		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
67.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
68.	II	English	Paper-4	6	4	English	25	75	100
69.	III	Core Theory	Paper-9	4	4	Corporate Accounting II	25	75	100
70.	III	Core Theory	Paper-12	4	2	Portfolio Management	25	75	100
71.	III	ALLIED-2	Paper-4	6	5	Operation Research	25	75	100
72.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
73.	IV	Non-major elective	Paper-2	2	2	Principles Accountancy	25	75	100
				30	23		175	525	700
SEMESTER V							CIA	Uni. Exam	Total
74.	III	Core Theory	Paper-13	5	4	Cost accounting I	25	75	100
75.	III	Core Theory	Paper-14	6	4	Management Accounting	25	75	100
76.	III	Core Theory	Paper-15	6	5	Income Tax Law and Practice I	25	75	100
77.	III	Core Theory	Paper-16	5	4	Computerized Accounting	25	75	100
78.	III	Elective	Paper-1	5	3	(to choose 1 out of 3) 1. Management Information System 2. Business Management 3. Human Resource Management	25	75	100
79.	IV	Skill based Subject	Paper-2	3	2	Customs, Goods and Services Tax	25	75	100
				30	22		150	450	600
SEMESTER VI							CIA	Uni. Exam	Total
80.	III	Core Theory	Paper-17	5	4	Cost accounting II	25	75	100
81.	III	Core Theory	Paper-18	5	4	Working Capital Management	25	75	100
82.	III	Core Theory	Paper-19	5	4	Income Tax law and practice II	25	75	100
83.	III	Compulsory Project	Paper-20	5	5	Individual / Group Project	25	75	100
84.	III	Elective	Paper-2	4	3	(To choose one out of 3) 1. Practical Auditing 2. Inventory management 3. Entrepreneurial Development	25	75	100
85.	III	Elective	Paper-3	4	3	(To choose one out of 3) 1. Financial Institutions and Markets 2. Marketing Management 3. Business Environment	25	75	100
86.	III	NMSDC III : Digital banking and Audit Essentials for Employability	Paper-3	2	2	Fintech Course	25	75	100
87.	V	Extension Activities		0	1		100	-	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
				30	26		275	525	800
		TOTAL			142				

THIRUVALLUVAR UNIVERSITY
BACHELOR OF ARTS
BACHELOR OF SOCIAL WORK (BSW)
DEGREE COURSE
CBCS PATTERN
(With effect from 2022-2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
45.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
46.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
47.	III	Core Theory	Paper-1	5	3	Introduction to Social Work	25	75	100
48.	III	Core Theory	Paper-2	5	3	Indian Social problems	25	75	100
49.	III	ALLIED -1	Paper-1	6	3	Sociology for Social Work Practice	25	75	100
50.	III	PE	Paper-1	6	3	Professional English I	25	75	100
51.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
				36	22		175	525	700
SEMESTER II									
52.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
53.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
54.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
55.	III	Core Theory	Paper-3	4	3	Psychology for Social Work Practice	25	75	100
56.	III	Core Theory	Paper-4	4	3	Social Work with Individuals	25	75	100
57.	III	ALLIED-1	Paper-2	6	5	Fundamentals of Nutrition	25	75	100
58.	III	PE	Paper-2	6	3	Professional English II	25	75	100
59.	IV	Value Education		2	2	Value Education	25	75	100
60.	IV	Soft Skill		2	1	Soft Skill	25	75	100
				36	27				
SEMESTER III							CIA	Uni. Exam	Total
61.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
62.	II	English	Paper-3	6	4	English	25	75	100
63.	III	Core Theory	Paper-5	4	4	Social Legislations	25	75	100
64.	III	Core Theory	Paper-6	4	4	Social Work with Groups	25	75	100
65.	III	Allied	Paper-2	6	3	Women and Development	25	75	100

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
66.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
67.	IV	Non-Major Elective	Paper-1	2	2	Professional Skill Development	25	75	100
				30	23		175	525	700
SEMESTER IV									
68.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
69.	II	English	Paper-4	6	4	English	25	75	100
70.	III	Core Practical	Practical-1	3	3	Concurrent Field Wok- I	40	60	100
71.	III	Core Theory	Paper-7	3	3	Social Work in Hospitals	25	75	100
72.	III	Core Theory	Paper-8	3	3	Social Work with Communities	25	75	100
73.	III	Allied	Paper-2	5	5	Demography and Population Dynamics	25	75	100
74.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
75.	IV	Non Major Elective	Paper-2	2	2	Basic Skills in Counselling	25	75	100
				30	26		215	585	800
SEMESTER V							CIA	Uni. Exam	Total
76.	III	Core Theory	Paper-9	6	4	Fundamentals of Social Work Research	25	75	100
77.	III	Core Theory	Paper-10	6	4	Social Welfare Administration	25	75	100
78.	III	Core Theory	Paper-11	6	4	Entrepreneurship Development	25	75	100
79.	III	Core Theory	Paper-12	5	3	Family and Child Welfare	25	75	100
80.	III	Internal Elective	Paper-1	4	3	Development Communication	25	75	100
81.	IV	Skill Based Subject	Paper-2	3	2	Project Management	25	75	100
				30	20		150	450	600
SEMESTER VI							CIA	Uni. Exam	Total
82.	III	Core Theory	Paper-13	6	3	Social Work in Industries	25	75	100
83.	III	Core Theory	Paper-14	5	3	Correctional Social Work	25	75	100
84.	III	Core Practical	Practical-2	5	4	Concurrent Field Work - II	40	60	100
85.	III	Compulsory Project	Project	5	5	Compulsory-Project	25	75	100
86.	III	Internal Elective	Paper-2	3	3	Human Rights	25	75	100
87.	III	Internal Elective	Paper-3	3	3	Social Work Among Those Differently Abled	25	75	100
88.	IV	Skill Based Subject	Paper-3	3	2	Fundamentals of Accounting	25	75	100
89.	V	Extension Activities		0	1		100	-	100
90.				0	0	Block Field work(optional)			
91.		NMSDC III : Employability Readiness		0	0	(choose any one) • Naandi • Unnati	-	-	

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
						• Quest • Izpay • IBM Skills build			
				30	24		290	510	800
					142				4500

B.Sc. ARTIFICIAL INTELLIGENCE

UNDER CBCS PATTERN

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I					CIA	Uni. Exam	Total
47.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
48.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
49.	III	Core Theory	Paper-1	6	4	Programming in C	25	75	100
50.	III	Core Practical	Practical-1	3	2	Programming in C Lab	25	75	100
51.	III	Allied -1	Paper-1	7	3	Discrete Mathematics	25	75	100
52.	III	PE	Paper 1	6	3	Professional English I	25	75	100
53.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	22		175	525	700
		SEMESTER II					CIA	Uni. Exam	Total
54.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
55.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
56.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
57.	III	Core Theory	Paper-2	5	4	Java Programming	25	75	100

58.	III	Core Practical	Practical-2	2	2	Java Programming Lab	25	75	100
59.	III	Allied-1	Paper-2	7	5	Operations Research	25	75	100
60.	III	PE	Paper 1	6	3	Professional English II	25	75	100
61.	IV	Value Education		2	2	Value Education	25	75	100
62.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
SEMESTER III							CIA	Uni. Exam	Total
63.	I	Language	Paper-3	6	4	Tamil/ Other Languages	25	75	100
64.	II	English	Paper-3	6	4	English	25	75	100
65.	III	Core Theory	Paper-3	4	3	Tensor Flow	25	75	100
66.	III	Core Practical	Practical-3	3	3	Tensor Flow Lab	25	75	100
67.	III	Allied II	Paper-3	4	3	Statistical Methods and Their Applications I	25	75	100
	III	Allied II	Practical	3	0	Statistics Practical	0	0	0
68.	IV	NMSDC: Programming Essentials for Employability	Paper-1	2	2	Fundamentals of coding and cloud	25	75	100
69.	IV	Non-Major Elective	Paper-1	2	2	Introduction to Information Technology	25	75	100
		Sem. Total		30	21		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
70.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
71.	II	English	Paper-4	6	4	English	25	75	100
72.	III	Core Theory	Paper-4	3	3	Advanced Python Programming	25	75	100
73.	III	Core Practical	Practical-4	3	3	Advanced Python Programming Lab	25	75	100

74.	III	Allied II	Paper-4	4	3	Statistical Methods and their Applications II	25	75	100
75.	III	Allied II	Practical	3	2	Statistics Practical	25	75	100
76.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
77.	IV	Non-Major Elective	Paper-1	2	2	Internet Technology	25	75	100
		Sem. Total		30	23		200	600	800

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
SEMESTER V							CIA	Uni. Exam	Total
78.	III	Core Theory	Paper-5	6	4	Principles of Robotics	25	75	100
79.	III	Core Theory	Paper-6	6	4	R Programming	25	75	100
80.	III	Core Theory	Paper-7	4	3	Artificial Intelligence & Knowledge Representation	25	75	100
81.	III	Core Practical	Practical-5	4	3	Robotics Laboratory	25	75	100
82.	III	Core Practical	Practical-6	4	3	R Programming Lab	25	75	100
83.	III	Internal Elective	Paper-1	3	3	Fuzzy Logic and Neural Networks	25	75	100
84.	IV	Skill Based Subject	Paper-2	3	2	Relational Database Management System	25	75	100
				30	22		175	525	700
SEMESTER VI							CIA	Uni. Exam	Total
85.	III	Core Theory	Paper-8	4	4	Machine Learning Techniques	25	75	100
86.	III	Core Theory	Paper-9	4	4	Natural Language Processing	25	75	100
87.	III	Core Practical	Practical-7	4	3	Machine Learning Lab	25	75	100
88.	III	Core Practical	Practical-8	4	2	Natural Language Processing Lab	25	75	100
89.	III	Project		5	5	Project Work (Group/Individual Project)	25	75	100

90.	III	Internal Elective	Paper - 2	3	3	Computer Organization	25	75	100
91.	III	Internal Elective	Paper - 3	3	3	Operating System	25	75	100
92.	IV	Skill Based Subject	Paper - 3	3	2	Ethical Hacking	25	75	100
93.	V	Extension Activities		0	1		100	0	100
94.	-	NMSDC III : Employability Readiness	-	0	0	(choose any one) • Naandi • Unnati • Quest • Izpay • IBM Skills build	-	-	-
		Sem. Total		30	27		300	600	900
					142				4600

THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE

B.Sc. BIOCHEMISTRY

UNDER CBCS

(With effect from 2022-2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	6	4	Cell biology	25	75	100
	III	Core Practical	Practical -1	4	0	Titrimetric and Qualitative analysis	0	0	0
47.	III	Allied -1	Paper-1	4	3	Chemistry I	25	75	100
	III	Allied- 1	Practical -1	2	0	Chemistry I & II	0	0	0
48.	III	PE	Paper 1	6	3	Professional English I	25	75	100
49.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II					CIA	Uni. Exam	Total
50.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
51.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
52.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
53.	III	Core Theory	Paper-2	5	4	Biomolecules	25	75	100
54.	III	Core Practical	Practical -1	3	2	Titrimetric and Qualitative analysis	25	75	100
55.	III	Allied-1	Paper-2	4	3	Chemistry II	25	75	100
56.	III	Allied Practical – 1	Practical -1	2	2	Chemistry I & II	25	75	100
57.	III	PE	Paper 1	6	3	Professional English II	25	75	100
58.	IV	Value Education		2	2	Value Education	25	75	100
59.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900

S.NO	Part	Study Components	Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title				CIA	Uni.	Total
SEMESTER III								

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
								Exam	
60.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
61.	II	English	Paper-3	6	4	English	25	75	100
62.	III	Core Theory	Paper-3	4	5	Analytical Biochemistry	25	75	100
	III	Core Practical	Practical-2	3	0	5. Colorimetry 6. Biochemical Preparation 7. Chromatographic Separation 8. Electrophoretic Technique	0	0	0
63.	III	ALLIED-2	Paper-3	4	3	(To choose 1 out of 2) 3. Microbiology I 4. Zoology I	25	75	100
	III	Allied Practical	Practical-2	3	0		0	0	0
64.	IV	NMSDC II : Digital Skills for Employability	Paper-1	2	2	Office Fundamentals	25	75	100
65.	IV	Non-major elective	Paper-1	2	2	Food & Nutrition	25	75	100
				30	20		150	450	600
SEMESTER IV							CIA	Uni. Exam	Total
66.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
67.	II	English	Paper-4	6	4	English	25	75	100
68.	III	Core Theory	Paper-4	4	4	Plant Biochemistry	25	75	100
69.	III	Core Practical	Practical-2	3	3	5. Colorimetry 6. Biochemical Preparation 7. Chromatographic Separation 8. Electrophoretic Technique	25	75	100
70.	III	ALLIED-2	Paper-4	4	3	(To choose 1 out of 2) 3. Microbiology II 4. Zoology II	25	75	100
71.	III	Allied Practical-2	Practical-2	3	2		25	75	100
72.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
73.	IV	Non-major elective	Paper-2	2	2	Life style diseases and prevention	25	75	100
				30	24		200	600	800

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
SEMESTER V							CIA	Uni. Exam	Total
74.	III	Core Theory	Paper-5	6	6	Enzymes and Intermediary Metabolism	25	75	100
75.	III	Core Theory	Paper-6	6	5	Molecular Biology	25	75	100
76.	III	Core Theory	Paper-7	6	5	Physiology and Nutrition	25	75	100
	III	Core Practical	Practical-3	3	0	5. Colorimetric Estimations 6. Enzyme Assay	0	0	0
	III	Core Practical	Practical-4	3	0	1. Hematology 2. Microbiology 3. Urine Analysis	0	0	0
77.	III	Internal Elective	Paper-1	3	3	Molecular Endocrinology	25	75	100
78.	IV	Skill based Subject	Paper-2	3	2	Medical Lab technology	25	75	100
				30	21		125	375	500
SEMESTER VI							CIA	Uni. Exam	Total
79.	III	Core Theory	Paper-8	5	5	Clinical Biochemistry	25	75	100
80.	III	Core Theory	Paper-9	5	5	Biotechnology	25	75	100
81.	III	Core Practical	Practical-3	3	3	7. Colorimetric Estimations 8. Enzyme Assay	25	75	100
82.	III	Core Practical	Practical-4	3	3	4. Hematology 5. Microbiology 6. Urine Analysis	25	75	100
83.	III	Core Project		5	5	(Individual / Group Project)	25	75	100
84.	III	Internal Elective	Paper-2	3	3	Immunology	25	75	100
85.	III	Internal Elective	Paper-3	3	3	Pharmaceutical Biochemistry	25	75	100
86.	IV	Skill based Subject	Paper-3	3	2	Research Methodology	25	75	100
87.	V	Extension Activities		-	1		100	0	100
88.	-	NMSDC III : Employability Readiness	Paper-3	0	0	(choose any one) • Naandi • Unnati	-	-	-

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
						• Quest • Izpay • IBM Skills build			
				30	30		300	600	900
					142				

THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE B.Sc. BIOTECHNOLOGY UNDER CBCS

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	6	4	Cell Biology & Evolution	25	75	100
	III	Core Practical	Practical-1	4	0	Lab in Cell Biology & Evolution	0	0	0
47.	III	Allied -1	Paper-1	4	3	Biodiversity	25	75	100
	III	Allied- 1	Practical-1	2	0	Lab in Biodiversity	0	0	0
48.	III	PE	Paper 1	6	3	Professional English I	25	75	100
49.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II							
50.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
51.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
52.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
53.	III	Core Theory	Paper-2	5	4	Biochemistry	25	75	100
54.	III	Core Practical	Practical-1	3	2	Lab in Cell Biology & Evolution and Biochemistry	25	75	100
55.	III	Allied-1	Paper-2	4	3	Food & Nutrition	25	75	100
56.	III	Allied Practical - 1	Practical-1	2	2	Lab in Biodiversity and Food & Nutrition	25	75	100
57.	III	PE	Paper 1	6	3	Professional English II	25	75	100
58.	IV	Value Education		2	2	Value Education	25	75	100
59.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900
		SEMESTER III							
60.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
61.	II	English	Paper-3	6	4	English	25	75	100
62.	III	Core Theory	Paper-3	4	4	Microbiology	25	75	100
		Core practical	Practical - 2	3	0	Lab in Microbiology	0	0	0
63.	III	Allied-2	Paper-3	4	3	Biostatistics & Computer Applications	25	75	100
		AlliedPractical - 2	Practical-2	3	0	Lab in Biostatistics & Computer Applications	0	0	0
64.	IV	NMSDC : Digital Skills For Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
65.	IV	Non-Major Elective	Paper-1	2	2	Herbal Medicine	25	75	100
		Sem. Total		30	19		150	450	600

		SEMESTER IV							
66.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
67.	II	English	Paper-4	6	4	English	25	75	100
68.	III	Core Theory	Paper-4	4	4	Immunology	25	75	100
69.	III	Core Practical	Practical-2	3	3	Lab in Microbiology and Immunology	25	75	100
70.	III	Allied-2	Paper-4	4	3	Molecular Genetics	25	75	100
71.	III	Allied Practical - 2	Practical-2	3	2	Lab in Biostatistics & Computer Applications and Molecular Genetics	25	75	100
72.	IV	NMSDC II : Digital Skills For Employability	Paper-2	2	2	Office Fundamentals	25	75	100
73.	IV	Non-Major Elective	Paper-2	2	2	Applied Biotechnology	25	75	100
		Sem. Total		30	24		200	600	800
		SEMESTER V							
74.	III	Core Theory	Paper-5	6	6	Genetic Engineering	25	75	100
	III	Core Practical	Practical-3	3	0	Lab in genetic Engineering	0	0	0
75.	III	Core Theory	Paper-6	6	6	Industrial Biotechnology	25	75	100
		Core Practical	Practical-4	3	0	Lab in Industrial Biotechnology	0	0	0
76.	III	Core Theory	Paper-7	5	5	Bioinformatics	25	75	100
77.	III	Internal Elective	Paper-1	4	3	(to choose 1 out of 3) A. Biofertilizer Technology B. Public Health & Hygiene C. Enzyme technology	25	75	100
78.	IV	Skill Based Subject	Paper-2	3	2	Medical Lab Technology	25	75	100
		Sem. Total		30	22		125	325	500
		SEMESTER VI							
79.	III	Core Theory	Paper-8	6	5	Plant & Animal Biotechnology	25	75	100
80.	III	Core Theory	Paper-9	5	5	Environmental Biotechnology	25	75	100
81.	III	Core Practical	Practical-3	3	3	Lab in genetic Engineering and Plant & Animal Biotechnology	25	75	100
82.	III	Core Practical	Practical-4	3	3	Lab in Industrial Biotechnology and Environmental Biotechnology	25	75	100
83.	III	Compulsory Project	Paper-10	5	5	Individual / Group Project	25	75	100
84.	III	Internal Elective	Paper-2	3	3	(to choose 1 out of 3) D. Forensic Science E. Sericulture F. Entrepreneurship	25	75	100
85.	III	Internal Elective	Paper-3	3	3	(to choose 1 out of 3) A. Biosafety, Bioethics & IPR B. Pharmaceutical Biotechnology C. Horticulture and Landscaping	25	75	100
86.	III	NMSDC III : Medical Coding for Employability	Paper-3	2	2	Medical Coding	25	75	100
87.	V	Extension Activities		0	1		100	0	100
		Sem. Total		30	30		300		900
		Grand Total			142				

THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE

B.Sc., BOTANY

UNDER CBCS (With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	6	4	Phycology and Mycology	25	75	100
	III	Core Practical	Practical-1	4	0		0	0	0
47.	III	Allied -1	Paper-1	4	3	(To Choose 1 out of 2) 1. Zoology I 2. Chemistry I	25	75	100
	III	Allied- 1	Practical-1	2	0		0	0	0
48.	III	PE	Paper 1	6	3	Professional English I	25	75	100
49.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II					CIA	Uni. Exam	Total
50.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
51.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
52.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
53.	III	Core Theory	Paper-2	5	4	Microbiology, Lichens, Bryology and Plant Pathology	25	75	100
54.	III	Core Practical	Practical-1	3	2	Covering Papers 1 and 2	25	75	100
55.	III	Allied-1	Paper-2	4	3	(To Choose 1 out of 2) 1. Zoology II 2. Chemistry II	25	75	100
56.	III	Allied Practical - 1	Practical-1	2	2	Zoology	25	75	100
57.	III	PE	Paper 1	6	3	Professional English II	25	75	100
58.	IV	Value Education		2	2	Value Education	25	75	100
59.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900

S.NO	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
SEMESTER III							CIA	Uni. Exam	Total
60.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
61.	II	English	Paper-3	6	4	English	25	75	100
62.	III	Core Theory	Paper-3	4	5	Pteridology, Gymnosperms and Paleobotany	25	75	100
	III	Core Practical	Practical-2	3	0		0	0	0
63.	III	ALLIED-2	Paper-3	4	3	(To Choose 1 out of 2) 1. Zoology I 2. Chemistry I	25	75	100
	III	Allied Practical	Practical-2	3	0		0	0	0
64.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
65.	IV	Non-major elective	Paper-1	2	2	Medicinal Botany	25	75	100
				30	20		150	450	600
SEMESTER IV							CIA	Uni. Exam	Total
66.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
67.	II	English	Paper-4	6	4	English	25	75	100
68.	III	Core Theory	Paper-4	4	5	Plant Cell Biology	25	75	100
69.	III	Core Practical	Practical-2	3	3	Covering Papers 3 and 4	25	75	100
70.	III	ALLIED-2	Paper-4	4	3	(To Choose 1 out of 2) 1. Zoology II 2. Chemistry II	25	75	100
71.	III	Allied Practical-2	Practical-2	3	2		25	75	100
72.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
73.	IV	Non-major elective	Paper-2	2	2	Horticulture	25	75	100
				30	25		200	600	800
SEMESTER V							CIA	Uni. Exam	Total
74.	III	Core Theory	Paper-5	6	5	Anatomy and Embryology of Angiosperms	25	75	100
75.	III	Core Theory	Paper-6	6	5	Morphology and Taxonomy of Angiosperms & Economic Botany	25	75	100
76.	III	Core Theory	Paper-7	6	5	Genetics, Plant Breeding, Evolution and Biostatistics	25	75	100
	III	Core Practical	Practical-3	3	0		0	0	0
	III	Core Practical	Practical-4	3	0		0	0	0
77.	III	Internal Elective	Paper-1	3	3	D. Tissue Culture E. Mass Cultivation of Algae F. Bio safety and Bioethics	25	75	100
78.	IV	Skill based Subject	Paper-2	3	2	Ethno Botany and Herbal Medicines	25	75	100
				30	20		125	375	500
SEMESTER VI							CIA	Uni. Exam	Total

79.	III	Core Theory	Paper-8	5	5	Plant Physiology and Plant Biochemistry	25	75	100
80.	III	Core Theory	Paper-9	5	5	Ecology, Phytogeography and Toxicology	25	75	100
81.	III	Core Practical	Practical-3	3	3	Covering Papers 5, 6 & 7	25	75	100
82.	III	Core Practical	Practical-4	3	3	Covering Papers 8 & 9	25	75	100
83.	III	Core Project	Project – 1	5	5	(Individual / Group Project)	25	75	100
84.	III	Internal Elective	Paper-2	3	3	(to choose one out of 3) D. Plant Biotechnology E. Bio fertilizers F. Postharvest Technology	25	75	100
85.	III	Internal Elective	Paper-3	3	3	(to choose one out of 3) D. Fermentation Technology E. Computer Application in Botany F. Forestry	25	75	100
86.	III	NMSDC III : Medical Coding for Employability	Paper-3	2	2	Medical Coding	25	75	100
87.	V	Extension Activities		-	1		100	0	100
				30	30		300	600	900
					142				4300

THIRUVALLUVAR UNIVERSITY
BACHELOR OF SCIENCE
B.Sc. CHEMISTRY DEGREE COURSE
(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
46.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
47.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
48.	III	Core Theory	Paper-1	6	4	General Chemistry - I	25	75	100
	III	Core Practical	Practical-1	3	0	Volumetric Analysis	0	0	0
49.	III	Allied -1	Paper-1	4	3	(Choose any 1 out of 5) 6. Physics I 7. Botany I 8. Zoology I 9. Biochemistry I 10. Mathematics I*	25	75	100
	III	Allied- 1	Practical-1	3	0		0	0	0
50.	III	PE	Paper 1	6	3	Professional English I	25	75	100
51.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II							
52.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
53.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
54.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
55.	III	Core Theory	Paper-2	5	4	General Chemistry - II	25	75	100
56.	III	Core Practical	Practical-1	3	2	Volumetric Analysis	25	75	100
57.	III	Allied-1	Paper-2	3	3	(Choose any 1 out of 5) 6. Physics II 7. Botany II 8. Zoology II 9. Biochemistry II 10. Mathematics II*	25	75	100
58.	III	Allied Practical - 1	Practical-1	3	2		25	75	100
59.	III	PE	Paper 1	6	3	Professional English II	25	75	100
60.	IV	Value Education		2	2		25	75	100
61.	IV	Soft Skill		2	1		25	75	100
		Sem. Total		36	27		225	675	900

S.NO.	Part	Study Components	Ins. hrs	Credit	Title of the Paper	Maximum Marks
		Course Title	/week			

SEMESTER III							CIA	Uni. Exam	Total
62.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
63.	II	English	Paper-3	6	4	English	25	75	100
64.	III	Core Theory	Paper-3	5	4	General Chemistry – III	25	75	100
	III	Core Practical	Practical-2	3	0	Inorganic Qualitative Analysis & Preparations	0	0	0
65.	III	ALLIED-2	Paper-3	3	3	Any one from 1. Physics –I 2. Botany –I 3. Zoology –I 4. Biochemistry – I 5. Mathematics - I*	25	75	100
	III	Allied Practical	Practical-2	3	0	practical-II	0	0	0
66.	IV	Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
67.	IV	Non-Major Elective	Paper-1	2	2	Medicinal Chemistry	25	75	100
				30	19		150	450	600
SEMESTER IV							CIA	Uni. Exam	Total
68.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
69.	II	English	Paper-4	6	4	English	25	75	100
70.	III	Core Theory	Paper-4	5	4	General Chemistry - IV	25	75	100
71.	III	Core Practical	Practical-2	3	3	Inorganic Qualitative Analysis & Preparations	25	75	100
	III	Allied-2	Paper-4	3	3	Any one from 1.Physics -II 2.Botany -II 3.Zoology -II 4.Biochemistry - II 5.Mathematics - II*	25	75	100
72.	III	Allied Practical	Practical-2	3	2	Allied practical-II	25	75	100
73.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2		25	75	100
74.	IV	Non-Major Elective	Paper-2	2	2	Chemistry in Every Day Life	25	75	100
				30	24		200	600	800

S.NO.	Part	Study Components	Ins. hrs /week	Credit	Title of the Paper	Maximum Marks			
		Course Title				CIA	Uni. Exam	Total	
SEMESTER V									
75.	III	Core Theory	Paper-5	5	5	Inorganic Chemistry - I	25	75	100

	III	Core Practical	Practical-3	3	0	Gravimetric Estimation	0	0	0
76.	III	Core Theory	Paper-6	5	5	Organic Chemistry - I	25	75	100
	III	Core Practical	Practical-4	3	0	Organic Analysis and Preparations	0	0	0
77.	III	Core Theory	Paper-7	5	4	Physical Chemistry - I	25	75	100
78.	III	Internal Elective	Paper-1	3	3	Any one from C. Analytical chemistry - I D. Basis of computer programming in C and its applications in Chemistry c. Organic Synthesis	25	75	100
79.		Core Practical	Practical - 5	3	0	Physical Chemistry Practical	0	0	0
80.	IV	Skill Based Subject	Paper-2	3	2	Applied Chemistry	25	75	100
				30	19		150	450	600
SEMESTER VI							CIA	Uni. Exam	Total
81.	III	Core Theory	Paper-8	5	4	Inorganic Chemistry - II	25	75	100
82.	III	Core Theory	Paper-9	5	4	Organic Chemistry - II	25	75	100
83.	III	Core Theory	Paper-10	5	4	Physical Chemistry - II	25	75	100
84.		Compulsory Project		0	5		25	75	100
85.	III	Core Practical-3	Practical-3	3	2	Gravimetric Estimation	25	75	100
86.	III	Core Practical-4	Practical-4	3	2	Organic Analysis and Preparations	25	75	100
87.	III	Core Practical-5	Practical-5	3	3	Physical Chemistry Experiments	25	75	100
88.	III	Internal Elective	Paper-2	2	3	Any one from A. Analytical Chemistry-II B. Textile Chemistry C. Nano Chemistry	25	75	100
89.	III	Internal Elective	Paper-3	2	3	Any one from A. Pharmaceutical Chemistry B. Polymer Chemistry C. Green Chemistry	25	75	100
90.	III	Skill based Subject	Paper-3	2	2	Agriculture and Leather Chemistry	25	75	100
91.	IV	Extension Activities		0	1		100	0	100
47		NMSDC III : Employability Readiness	-	0	0	(choose any one) • Naandi • Unnati • Quest • Izpay	0	0	0

						• IBM Skills build			
		TOTAL		30	33		350	750	1100

THIRUVALLUVARUNIVERSITY

B.Sc. COMPUTER SCIENCE

CBCS PATTERN

(With effect from 2022-2023)

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
		SEMESTER I					CIA	Uni. Exam	Total
95.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
96.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
97.	III	Core Theory	Paper-1	6	4	Programmingin C	25	75	100
98.	III	Core Practical	Practical-1	3	2	Programmingin CLab	25	75	100
99.	III	Allied -1	Paper-1	7	3	(tochooseanyone) 1. MathematicsI 2. Mathematical FoundationsI	25	75	100
100.	III	PE	Paper 1	6	3	Professional English I	25	75	100
101.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	22		175	525	700
		SEMESTER II					CIA	Uni. Exam	Total
102.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
103.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
104.	II	NMSDC I : Language	Paper-1	2	2	Effective English	25	75	100

		Proficiency for Employability							
105.	III	Core Theory	Paper-2	5	4	C++& Data Structure	25	75	100
106.	III	Core Practical	Practical-2	2	2	C++ and Data Structures Lab	25	75	100
107.	III	Allied-1	Paper-2	7	5	(tochooseanyone) 1. MathematicsII 2. Mathematical FoundationsII	25	75	100
108.	III	PE	Paper 1	6	3	Professional English II	25	75	100
109.	IV	Value Education		2	2	Value Education	25	75	100
110.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		200	600	800

		Study Components		Ins. hrs /week					
		Course Title							
SEMESTER III							CIA	Uni. Exam	Total
111.	I	Language	Paper-3	6	4	Tamil/ OtherLanguages	25	75	100
112.	II	English	Paper-3	6	4	English	25	75	100
113.	III	Core Theory	Paper-3	4	3	Programming in JAVA	25	75	100
114.	III	Core Practical	Practical-3	3	3	Programming in JAVA Lab	25	75	100
115.	III	Allied II	Paper-3	4	3	(Choose any one) 1. Physics I 2. Statistical Methods and	25	75	100
		Allied II	Practical	3	0	Physics/Statistics Practical	0	0	0
116.	IV	NMSDC: Programming Essentials for Employability	Paper-1	2	2	Fundamentals of coding and cloud	25	75	100
117.	IV	Non-Major Elective	Paper-1	2	2	Introduction to	25	75	100
		Sem. Total		30	21		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
118.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
119.	II	English	Paper-4	6	4	English	25	75	100
120.	III	Core Theory	Paper-4	3	3	Relational Database Management Systems	25	75	100
121.	III	Core Practical	Practical-4	3	3	RDBMS Lab	25	75	100
122.	III	Allied II	Paper-4	4	3	(to choose any one) 3. Physics II 4. Statistical Methods and their Applications II	25	75	100
		Allied II	Practical	3	2	Physics/Statistics Practical	25	75	100
124.	IV	NMSDC II : Digital Skills	Paper-2	3	2	Office Fundamentals	25	75	100
125.	IV	Non-Major	Paper-2	2	2	Internet Technology	25	75	100
		Sem. Total		30	23		200	600	800

		Study Components		Ins.					
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S.NO.	Part	Course Title		hrs	Credit	Title of the Paper	Maximum Marks		
SEMESTER V							CIA	Uni. Exam	Total
126.	III	Core Theory	Paper-5	6	4	Mobile Application	25	75	100
127.	III	Core Theory	Paper-6	6	4	Operating System	25	75	100
128.	III	Core Theory	Paper–7	4	3	Design and Analysis of Algorithms	25	75	100
129.	III	Core Practical	Practical-5	4	3	Mobile Applications	25	75	100
130.	III	Core Practical	Practical-6	4	3	Development Lab Operating System-Lab	25	75	100
131.	III	Internal Elective	Paper-1	3	3	(tochooseanyone)	25	75	100
						1. Data Mining 2. Information Security			
132.	IV	Skill Based	Paper-2	3	2	Software Engineering	25	75	100
				30	22		175	525	700
SEMESTER VI							CIA	Uni. Exam	Total
133.	III	Core	Paper-8	5	4		25	75	100
		Theory				Open Source Software			
134.	III	Core	Paper-9	4	4	Python Programming	25	75	100
135.	III	Core Practical	Practical-7	4	3	Python Programming Lab	25	75	100
136.	III	Core Practical	Practical-8	4	2	Open Source Programming Lab	25	75	100
137.	III	Project		5	5	Project Work (Group/Individual Project)	25	75	100
138.	III	Internal Elective	Paper - 2	3	3	(tochooseanyone) 4. Big Data Analytics 5. Cryptography 6. Digital Image Processing	25	75	100
139.	III	Internal Elective	Paper - 3	3	3	(tochooseanyone) 4. Artificial Intelligence 5. System Software 6. Cloud Computing	25	75	100
140.	IV	NMSDC III : Emerging	Paper - 3	2	2	(Choose any one) • PBL Android App	25	75	100
141.	V	Extension Activities		0	1		100	0	100
		Sem. Total		30	27		300	600	900
					142				

B.Sc., COSTUME DESIGN AND FASHION TECHNOLOGY (CBCS PATTERN)

(With effect from 2022 - 2023)

SCHEME OF EXAMINATION

S.No.	Part	Study Components Course Title		Ins.Hrs / week	Credit	Title of the Paper	Maximum Marks		
		SEMESTER I					CIA	Uni. Exam	Total
1	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
2	II	English(CE)	Paper-1	6	4	Communicative English I	25	75	100
3	III	Core Theory	Paper-1	6	4	Basics of Garment Construction	25	75	100
4	III	Core Practical	Practical-1	3	0	Basics of Garment Construction- Practical	0	0	0
5	III	Allied -1	Paper-1	4	3	Care and Maintenance of Textiles	25	75	100
6	III	Allied -1	Practical-1	3	0	Fashion Sketching	0	0	0
7	III	PE	Paper1	6	3	Professional English I	25	75	100
8	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
		Sem.Total		36	20		150	450	600
		SEMESTER II					CIA	Uni. Exam	Total
9	I	Language	Paper-2	6	4	Tamil/Other	25	75	100

						Languages			
10	II	English(CE)	Paper-2	4	4	Communicative English II	25	75	100
11	II	NMSDC I : Language Proficiency for Employability	Paper 1	2	2	Effective English	25	75	100
12	III	Core Theory	Paper-2	5	4	Fashion Designing	25	75	100
13	III	Core Practical	Practical-1	3	2	Fashion Designing - Practical	25	75	100
14	III	Allied-1	Paper-2	3	3	Principles of Patternmaking	25	75	100
15	III	Allied Practical-1	Practical-1	3	2	Garment Construction I - Practical	25	75	100
16	III	PE	Paper-1	6	3	Professional English II	25	75	100
17	IV	Value Education		2	2	Value Education	25	75	100
18	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem.Total		36	27		250	750	1000
		SEMESTER III					CIA	Uni. Exam	Total
19	I	Language	Paper-3	6	4	Tamil/ Other Languages	25	75	100
20	II	English	Paper-3	6	4	English	25	75	100
21	III	Core Theory	Paper-3	5	5	Fiber to Fabric	25	75	100
22	III	Core Practical	Practical-2	3	0	Fiber to Fabric- Practical	0	0	0
23	III	Allied – 2	Paper-3	3	3	Costumes and Textiles of India	25	75	100
24	III	Allied Practical	Practical-2	3	0	Garment Construction II	0	0	0
25	IV	NMSDC: Digital Skills for	Paper-1	2	2	Microsoft Office Essentials	25	75	100

		Employability							
26	IV	Non- Major Elective	Paper-1	2	2	Apparel designing	25	75	100
		Sem. Total		30	20		150	450	600
		15 Days Internship in any Textile Processing Unit / Designer House / Buying House / Garment Unit / Retail Showrooms / Boutiques - On completion of III SEMESTER theory exam / before the end of Fourth SEMESTER .							
		SEMESTER IV					CIA	Uni.Exam	Total
27	I	Language	Paper-4	6	4	Tamil/ Other Languages	25	75	100
28	II	English	Paper-4	6	4	English	25	75	100
29	III	Core Theory	Paper-4	5	4	Fabric Structure and Design	25	75	100
30	III	Core Practical	Practical-2	3	3	Fabric Structure and Design- Practical	25	75	100
31	III	Allied – 2	Paper-4	3	3	The Business of Fashion	25	75	100
32	III	Allied Practical	Practical-2	3	2	Garment Construction III	25	75	100
33	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
34	IV	Non- Major Elective	Paper-2	2	2	Textile printing	25	75	100
		Sem.Total		30	24		200	600	800
		SEMESTER V							
35	III	Core Theory	Paper-5	6	5	Knitting	25	75	100
36	III	Core Practical	Practical-3	3	0	Knitting & Basic Draping Practical	0	0	0
37	III	Core Theory	Paper-6	6	5	Business Finance	25	75	100
38	III	Core Practical	Practical-4	3	0	CAD Practical I	0	0	0

39	III	Core Theory	Paper-7	6	5	Apparel Retailing	25	75	100
40	III	Internal Elective	Paper-1	3	3	A. Organization of Garment Unit B. Printing Technology C. Entrepreneurial Development	25	75	100
41	IV	Skill Based Subject	Paper-2	3	2	Garment Quality and Cost Control	25	75	100
		Sem.Total		30	20		125	375	500
		SEMESTER VI							
42	III	Core Theory	Paper-8	5	5	Computers in the Garment Industry	25	75	100
43	III	Core Practical	Practical-3	3	3	CAD Practical II	25	75	100
44	III	Core Theory	Paper-9	5	5	Textile wet processing	25	75	100
45	III	Core Practical	Practical-4	3	3	Textile wet processing	25	75	100
46	III	Internal Elective	Paper-2	3	3	A. Marketing and Merchandising B. Principles of Management C. Boutique Management	25	75	100
47	III	Internal Elective	Paper-3	3	3	A. Accounting And Business Management B. Export Analysis and Documentation C. Apparel Quality Management	25	75	100
48	IV	Skill Based Subject	Paper-3	3	3	Innovation with Waste Fabrics	25	75	100
49		Compulsory Project		5	5	Fashion Design Portfolio	25	75	100
50	V	Extension		0	1		100	0	100

		Activities							
51	-	NMSDC III : Employability Readiness		0	0	(choose any one) • Nandi • Unnati • Quest • Izpay • IBM Skills build	-	-	-
		Sem.Total		30	31		300	600	900

B.Sc. DATA SCIENCE

DEGREE COURSE

CBCS PATTERN

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
		SEMESTER I					CIA	Uni. Exam	Total
142.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
143.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
144.	III	Core Theory	Paper-1	6	4	Programming in C	25	75	100
145.	III	Core Practical	Practical-1	3	2	Programming in C Lab	25	75	100
146.	III	Allied -1	Paper-1	7	3	Discrete Mathematics	25	75	100
147.	III	PE	Paper 1	6	3	Professional English I	25	75	100
148.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	22		175	525	700
		SEMESTER II					CIA	Uni. Exam	Total
149.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
150.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
151.	II	NMSDC I : Language Proficiency for	Paper-1	2	2	Effective English	25	75	100

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S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title							
SEMESTER III							CIA	Uni. Exam	Total
158.	I	Language	Paper-3	6	4	Tamil/ Other Languages	25	75	100
159.	II	English	Paper-3	6	4	English	25	75	100
160.	III	Core Theory	Paper-3	3	3	Python for Data Science	25	75	100
161.	III	Core Practical	Practical-3	3	3	Python for Data Science Lab	25	75	100
162.	III	Allied II	Paper-3	4	3	Statistical Methods	25	75	100
	III	Allied II	Practical	3	0		Statistics	0	0
163.	IV	NMSDC: Programming Essentials for Employability	Paper-1	3	2	Fundamentals of coding and cloud	25	75	100
164.	IV	Non-Major Elective	Paper-1	2	2	Introduction to	25	75	100
		Sem. Total		30	21		175	525	700
SEMESTER IV							CIA	Uni. Exam	Total
165.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
166.	II	English	Paper-4	6	4	English	25	75	100
167.	III	Core Theory	Paper-4	3	3	Advanced Python for Data Science	25	75	100
168.	III	Core	Practical-4	3	3	Advanced Python for Data	25	75	100
169.	III	Allied II	Paper-4	4	3	Statistical Methods and their Applications II	25	75	100
170.	III	Allied II	Practical	3	2	Statistics Practical	25	75	100
171.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
172.	IV	Non-Major	Paper-2	2	2	Internet Technology	25	75	100

		Sem. Total		30	23		200	600	800
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S.NO.	Part	Study Components		Ins. hrs	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER V									
173.	III	Core Theory	Paper-5	6	4	Relational Database Management System	25	75	100
174.	III	Core Theory	Paper-6	6	4	Data Visualization Techniques	25	75	100
175.	III	Core Theory	Paper-7	4	3	Natural Language Processing	25	75	100
176.	III	Core Practical	Practical-5	4	3	Relational Database Management System Lab	25	75	100
177.	III	Core Practical	Practical-6	4	3	Data Visualization Techniques Lab	25	75	100
178.	III	Internal Elective	Paper-1	3	3	Tensor Flow	25	75	100
179.	IV	Skill Based	Paper-2	3	2	Machine Learning	25	75	100
				30	22		175	525	700
SEMESTER VI									
180.	III	Core	Paper-8	4	4	Big Data Analytics	25	75	100
181.	III	Core	Paper-9	4	4	R for Analytics	25	75	100
182.	III	Core Practical	Practical-7	4	3	Big Data Analytics Lab	25	75	100
183.	III	Core Practical	Practical-8	4	2	R for Analytics Lab	25	75	100
184.	III	Project		5	5	Project Work (Group/Individual Project)	25	75	100
185.	III	Internal Elective	Paper - 2	3	3	Artificial Intelligence	25	75	100
186.	III	Internal Elective	Paper - 3	3	3	Operating System	25	75	100

187.	III	NMSDC III : Data Analytics with Advanced Tools for	Paper – 3	2	2	Project based learning III	25	75	100
188.	V	Extension Activities		0	1		100	0	100
		Sem. Total		30	27		300	600	900
					142				4600

THIRUVALLUVAR UNIVERSITY, VELLORE – 632 115

B.Sc. Electronics Science Curriculum

(For the students admitted during the academic year 2022 – 23 onwards)

Paper type	Title of the Paper	Credits	Hours		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
FIRST SEMESTER							
Language-1	Tamil/Other Languages	4	6	--	25	75	100
English (CE)-1	Communicative English I	4	6	--	25	75	100
Core Theory-1	Fundamentals of Electricity and Electronics	4	6	--	25	75	100
Core Practical-1	Basic Electronics Lab	--	--	3	--	--	--
Allied-1	Basic Mathematics-1	4	7	--	25	75	100
English (PE)-1	Professional English I	3	6	--	25	75	100
Environmental Studies	Environmental Science	2	2	--	25	75	100
Total		22	33	3	150	450	600
SECOND SEMESTER							
Language -2	Tamil/Other Languages	4	6	--	25	75	100
English (CE)-2	Communicative English II	4	4	--	25	75	100
Core Theory -2	Electromagnetism and AC Circuits	4	5	--	25	75	100
Core Practical-1	Basic Electronics Lab	3	--	3	25	75	100
Allied-2	Basic Mathematics II	4	6	--	25	75	100
English (PE)-2	Professional English II	4	6	--	25	75	100
Value Education	Value Education	2	2	--	25	75	100
Soft Skill	Soft Skill	1	2	--	25	75	100
NMSDC I : Language Proficiency for Employability	Effective English	2	2	--	25	75	100
Total		28	33	3	225	675	900
THIRD SEMESTER							
Language -3	Tamil/Other Languages	5	6	--	25	75	100
English (CE)-3	Communicative English III	4	6	--	25	75	100
Core Theory -3	Semiconductor Devices and IC Fabrication Technology	4	6	--	25	75	100
Core Practical-2	Electronic Devices Laboratory	--	--	3	--	--	--
Allied-3	Basic Physics I	4	5	--	25	75	100
NMSDC:	Microsoft Office Essentials	2	2	--	25	75	100

Programming Essentials for Employability							
Non-major Elective	(To choose other department non major elective subject)	2	2	--	25	75	100
Total		21	27	3	150	450	600
FOURTH SEMESTER							
Language - 4	Tamil/Other Languages	4	6	--	25	75	100
English (CE)-4	Communicative English IV	4	6	--	25	75	100
Core Theory - 4	Analog and Digital Electronics	4	6	--	25	75	100
Core Practical - 2	Electronic Devices Laboratory	3	--	3	25	75	100
Allied-4	Basic Physics II	4	5	--	25	75	100
NMSDC II : Digital Skills for Employability	Office Fundamentals	2	2	--	25	75	100
Non-major Elective	(To choose other department non major elective subject)	2	2	--	25	75	100
Total		23	27	3	175	525	700
FIFTH SEMESTER							
Core Theory - 5	Microprocessor and its Applications	4	6	--	25	75	100
Core Theory - 6	Electronic Communication Systems	4	6	--	25	75	100
Core Theory - 7	Electrical and Electronic Instrumentation	4	6	--	25	75	100
Core Practical -3	Analog and Digital IC Laboratory	--	--	3	--	--	--
Core Practical -4	Communication and Microprocessor Laboratory	--	--	3	--	--	--
Elective – 1 (To choose any 1 subject out of 3)	Medical Electronics	3	3	--	25	75	100
	Industrial Electronics						
	Data Processing and Personal Computers						
Skill based Subject	PCB Design and Fabrication	3	3	--	25	75	100
Total		18	24	6	125	375	500
SIXTH SEMESTER							
Core Theory -8	Television and Video Engineering	4	6	--	25	75	100
Core Theory -9	Cellular Mobile Communication	4	6	--	25	75	100
Core Practical -3	Analog and Digital IC	3	--	3	25	75	100

	Laboratory						
Core Practical -4	Communication and Microprocessor Laboratory	3	--	3	25	75	100
Core Project	Project	3	--	3	25	75	100
Core Internal	Industrial Training	4	--	--	100	--	100
Elective – 2 (To choose any 1 subject out of 3)	Power Electronics	3	3	--	25	75	100
	Computer Networks						
	Robotics and Automation						
Elective – 3 To choose any 1 subject out of 3)	Microcontroller 8051 and its Applications	3	3	--	25	75	100
	Digital System Design						
	Programmable Logic Controller						
NMSDC III : Employability Readiness	Project Based Learning 2	2	2	--	25	75	100
Extension Activities	Extension Activities	1	1	--	100	--	100
Total		30	21	9	400	600	1000
Grand Total		142	165	27	1225	3075	4300

NON-MAJOR ELECTIVE SUBJECTS FOR OTHER DEPARTMENT STUDENTS

Course Title	Title of the Paper	Credits	Hours		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
THIRD SEMESTER							
Non-major Elective	Basic Electronics	2	2	--	25	75	100
Total		2	2	--	25	75	100
FOURTH SEMESTER							
Non-major Elective	Fundamentals of Electronic Communication	2	2	--	25	75	100
Total		2	2	--	25	75	100

B.Sc. INFORMATION SYSTEM MANAGEMENT
UNDER CBCS

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Cred it	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
49.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
50.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
51.	III	Core Theory	Paper-1	6	4	Introduction to Information Technology	25	75	100
	III	Core Practical	Practical-1	4	0		0	0	0
52.	III	Allied -1	Paper-1	4	3	(to choose any 1 out of 2) 3. Mathematical Foundations 4. Financial Accounting I	25	75	100
	III	Allied- 1	Practical-1	2	0		0	0	0
53.	III	PE	Paper 1	6	3	Professional English II	25	75	100
54.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II					CIA	Uni. Exam	Total
55.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
56.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
57.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
58.	III	Core Theory	Paper-2	5	4	Business Accounting Software	25	75	100
59.	III	Core Practical	Practical-1	3	2	Office Automation Lab	25	75	100
60.	III	Allied-1	Paper-2	4	3	(to choose any 1 out of 2) 3. Statistics 4. Financial Accounting I	25	75	100
61.	III	Allied Practical - 1	Practical-1	2	2	(to choose any 1 out of 2) 3. Mathematical Foundation & Statistics Lab 4. Tally Lab	25	75	100
62.	III	PE	Paper 1	6	3	Professional English II	25	75	100
63.	IV	Value Education		2	2	Value Education	25	75	100
64.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900
		SEMESTER III					CIA	Uni. Exam	Total
65.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
66.	II	English	Paper-3	6	4	English	25	75	100
67.	III	Core Theory	Paper-3	4	3	Programming in C	25	75	100
68.	III	Core Practical	Practical-2	3	2	Programming in C Lab	25	75	100
69.	III	Allied -2	Paper-3	4	3	(to choose any 1 out of 2) C. Web Designing D. Business Communication	25	75	100

	III	Allied	Practical	3	0	C. Web Designing Lab D. Business Communication Lab	0	0	0
70.	IV	NMSDC: Programming Essentials for Employability	Paper-1	2	2	Fundamentals of coding and cloud	25	75	100
71.	IV	Non-Major Elective	Paper-1	2	2	Introduction to Industry 4.0	25	75	100
		Sem. Total		30	20		175	525	700
		SEMESTER IV					CIA	Uni. Exam	Total
72.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
73.	II	English	Paper-4	6	4	English	25	75	100
74.	III	Core Theory	Paper-4	4	3	Java Programming	25	75	100
75.	III	Core Practical	Practical-3	3	2	Java Programming Lab	25	75	100
76.	III	Allied-2	Paper-4	4	3	(to choose any 1 out of 2) C. Operations Research D. Cost and Management Accounting	25	75	100
77.	III	Allied Practical	Practical-2	3	2	A. Operations Research Lab B. Business Communication & Cost and Management Accounting Lab	25	75	100
78.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
79.	IV	Non-Major Elective	Paper-2	2	2	Management Information System	25	75	100
				30	22		200	600	800
		SEMESTER V					CIA	Uni. Exam	Total
80.	III	Core Theory	Paper-5	6	5	Principles of Management	25	75	100
81.	III	Core Theory	Paper-6	6	5	Data Base Management System	25	75	100
82.	III	Core Theory	Paper-7	6	4	Python Programming	25	75	100
83.	III	Core Practical	Practical-4	3	2	Python Programming Lab	25	75	100
84.	III	Core Practical	Practical-5	3	2	DBMS LAB	25	75	100
85.	III	Internal Elective	Paper-1	3	3	(to choose any 1 out of 3) A. Enterprise Resource Planning B. Bioinformatics C. Marketing Management	25	75	100
86.	IV	Skill Based Elective	Paper-2	3	2	Entrepreneurial Development	25	75	100
		Sem. Total		30	23		175	525	700
		SEMESTER VI					CIA	Uni. Exam	Total
87.	III	Core Theory	Paper-8	4	4	Computer Graphics and Web Designing	25	75	100

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THIRUVALLUVAR UNIVERSITY
BACHELOR OF SCIENCE
B.Sc., INTERIOR DESIGN AND DECOR
(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
47.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
48.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
49.	III	Core Theory	Paper-1	6	4	Design Basics	25	75	100
	III	Core Practical	Practical-1	3	0	Design Basics Practical	0	0	0
50.	III	Allied -1	Paper-1	4	3	Applied Arts on Textiles-I	25	75	100
	III	Allied- 1	Practical-1	3	0	Applied Arts on Textiles practical	0	0	0
51.	III	PE	Paper 1	6	3	Professional English I	25	75	100
52.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II					CIA	Uni. Exam	Total
53.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
54.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
55.	III	Core Theory	Paper-2	4	4	Colour and Lighting	25	75	100
56.	III	Core Practical	Practical-1	3	2	Design Basics Practical	25	75	100
57.	III	Allied-1	Paper-2	4	3	Applied Arts on Textiles-II	25	75	100
58.	III	Allied Practical - 1	Practical-1	3	2	Applied Arts on Textiles Practical	25	75	100
59.	III	PE	Paper 1	6	3	Professional English II	25	75	100
60.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
61.	IV	Value Education		2	2	Value Education	25	75	100
62.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		250	750	1000
		SEMESTER III					CIA	Uni. Exam	Total
63.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
64.	II	English	Paper-3	6	4	English	25	75	100
65.	III	Core Theory	Paper-3	4	4	Computer Aided Design - I	25	75	100
	III	Core Practical	Practical-2	3	0	Computer Aided Design	0	0	0

						practical			
66.	III	Allied-2	Paper-3	4	3	Interior Design Studio and Building system Technology-I	25	75	100
	III	Allied Practical - 2	Practical-2	3	0	Interior Design Studio Practical	0	0	0
67.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
68.	IV	Non-Major Elective	Paper-1	2	2	Basics of Interior Design-I	25	75	100
		Sem. Total		30	19		150	450	600
		SEMESTER IV					CIA	Uni. Exam	Total
69.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
70.	II	English	Paper-4	6	4	English	25	75	100
71.	III	Core Theory	Paper-4	4	4	Planning the life space	25	75	100
72.	III	Core Practical	Practical-2	3	3	Computer Aided Design practical	25	75	100
73.	III	Allied-2	Paper-4	4	3	Interior Design studio and Building system Technology-II	25	75	100
74.	III	Allied Practical - 2	Practical-2	3	2	Interior Design Studio Practical	25	75	100
75.	IV	NMSE III : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
76.	IV	Non-Major Elective	Paper-2	2	2	Basics of Interior Design-II	25	75	100
		Sem. Total		30	24		200	600	800
		SEMESTER V							
77.	III	Core Theory	Paper-5	4	4	Furniture in Interiors	25	75	100
	III	Core Practical	Practical-3	3	0	Furniture and Furnishings Practical	0	0	0
78.	III	Core Theory	Paper-6	4	4	Computer Aided Design- II	25	75	100
	III	Core Practical	Practical-4	3	0	Google Sketch Up practical	0	0	0
79.	III	Core Theory	Paper-7	4	4	Floriculture and Landscaping	25	75	100
	III	Core Practical	Practical-5	3	0	Floriculture and Landscaping Practical	0	0	0
80.	III	Core Theory	Paper-8	4	4	Fundamentals of Architecture	25	75	100
81.	III	Internal Elective	Paper-1	3	3	(to choose 1 out of 3) D. Consumer and Merchandising E. Kitchen Design F. House Keeping and Front Office	25	75	100

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THIRUVALLUVAR UNIVERSITY
BACHELOR OF SCIENCE
B.Sc. MATHEMATICS DEGREE COURSE
(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
46.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
47.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
48.	III	Core Theory	Paper-1	5	3	Algebra	25	75	100
49.	III	Core Theory	Paper-2	5	3	Trigonometry	25	75	100
50.	III	Allied -1	Paper-1	4	3	(to choose any 1 out of 4)	25	75	100
	III	Allied- 1	Practical-1	2	0	(For Practical Allied subjects)	0	0	0
51.	III	PE	Paper 1	6	3	Professional English I	25	75	100
52.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
53.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
54.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
55.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
56.	III	Core Theory	Paper-3	4	3	Calculus	25	75	100
57.	III	Core Theory	Paper-4	4	3	Analytical Geometry of three dimensions	25	75	100
58.	III	Allied-1	Paper-2	4	3	(to choose any 1 out of 4) (For Practical Allied subjects)	25	75	100
59.	III	Allied Practical – 1	Practical-1	2	2	(to choose any 1 out of 4) (For Practical Allied subjects)	25	75	100
60.	III	PE	Paper 1	6	3	Professional English II	25	75	100
61.	IV	Value Education		2	2		25	75	100
62.	IV	Soft Skill		2	1		25	75	100
		Sem. Total		36	27		250	750	1000
SEMESTER III									
63.	I	Language	Paper-3	6	4	Tamil / Other Languages	25	75	100
64.	II	English	Paper-3	6	4	English	25	75	100
65.	III	Core Theory	Paper-5	6	5	Differential Equations and Laplace Transforms	25	75	100
66.	III	Allied-2	Paper-3	4	3	(to choose any 1 out of 4) (For Practical Allied subjects)	25	75	100
	III	Allied Practical – 2	Practical-2	3	0		0	0	0
67.	IV	NMSDC: Digital Skills for Employability	Paper-1	3	2	Microsoft Office Essentials	25	75	100

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THIRUVALLUVAR UNIVERSITY
BACHELOR OF SCIENCE
B.Sc. MICROBIOLOGY
DEGREE COURSE

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	6	4	Fundamentals of Microbiology	25	75	100
	III	Core Practical	Practical-1	4	0	Experiments in Basic Microbiology	0	0	0
47.	III	Allied -1	Paper-1	4	3	Biochemistry - I	25	75	100
	III	Allied- 1	Practical-1	2	0	Biochemistry	0	0	0
48.	III	PE	Paper 1	6	3	Professional English I	25	75	100
49.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II							
50.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
51.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
52.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
53.	III	Core Theory	Paper-2	5	4	Microbial Physiology	25	75	100
54.	III	Core Practical	Practical-1	3	2	Experiments in Basic Microbiology (Contd.)	25	75	100
55.	III	Allied-1	Paper-2	4	3	Biochemistry - II	25	75	100
56.	III	Allied Practical - 1	Practical-1	2	2	Biochemistry (Contd.)	25	75	100
57.	III	PE	Paper 1	6	3	Professional English II	25	75	100
58.	IV	Value Education		2	2	Value Education	25	75	100
59.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900
		SEMESTER III							
60.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
61.	II	English	Paper-3	6	4	English	25	75	100
62.	III	Core Theory	Paper-3	4	4	Immunology	25	75	100
	III	Core Practical	Practical-2	3	-	Experiments in Immunology and Microbial Genetics	0	0	0
63.	III	Allied-3	Paper-3	4	3	Bioinstrumentation	25	75	100

		Allied Practical - 2	Practical-2	3	-	Bioinstrumentation and Biostatistics	0	0	0
64.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
65.	IV	Non-Major Elective	Paper-1	2	2	Microbes in Human Welfare	25	75	100
		Sem. Total		30	19		150	450	600
		SEMESTER IV							
66.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
67.	II	English	Paper-4	6	4	English	25	75	100
68.	III	Core Theory	Paper-4	4	4	Microbial Genetics	25	75	100
69.	III	Core Practical	Practical-2 (Contd.)	3	3	Experiments in Immunology and Microbial Genetics (Contd.)	25	75	100
70.	III	Allied-4	Paper-4	4	3	Biostatistics	25	75	100
71.	III	Allied Practical - 2	Practical-2 (Contd.)	3	2	Bioinstrumentation and Biostatistics (Contd.)	25	75	100
72.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
73.	IV	Non-Major Elective	Paper-2	2	2	Emerging Microbial Diseases	25	75	100
		Sem. Total		30	24		200	600	800
		SEMESTER V							
74.	III	Core Theory	Paper-5	6	6	Medical Bacteriology and Mycology	25	75	100
75.	III	Core Theory	Paper-6	6	5	Agricultural and Environmental Microbiology	25	75	100
76.	III	Core Theory	Paper-7	5	5	Food Microbiology	25	75	100
	III	Core Practical	Practical-3	4	-	Experiments in Medical Microbiology	0	0	0
	III	Core Practical	Practical-4	4	-	Experiments in Applied Microbiology	0	0	0
77.	III	Internal Elective	Paper-1	3	3	(to choose one out of 3) D. Immunotechnology E. Human anatomy and physiology F. Cell Biology	25	75	100
78.	IV	Skill Based Subject	Paper-2	2	2	Mushroom Cultivation	25	75	100
		Sem. Total		30	21		125	375	500
		SEMESTER VI							
79.	III	Core Theory	Paper-8	6	6	Medical Virology and Parasitology	25	75	100
80.	III	Core Theory	Paper-9	5	5	Industrial Microbiology	25	75	100
81.	III	Core Practical	Practical-3	3	3	Experiments in Medical Microbiology (Contd.)	25	75	100
82.	III	Core Practical	Practical-4	3	3	Experiments in Applied Microbiology (Contd.)	25	75	100
83.	III	Compulsory Project	Paper-10	5	5	Group/Individual Project	25	75	100
84.	III	Internal Elective	Paper-2	3	3	(to choose one out of 3)	25	75	100

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THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE B.Sc. NUTRITION, FOOD SERVICE MANAGEMENT AND DIETETICS UNDER CBCS

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins.	Credit	Title of the Paper	Maximum Marks		
		Course Title		Hrs / week			CIA	Uni. Exam	Total
		SEMESTER I							
45.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
46.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
47.	III	Core Theory	Paper-1	6	4	Food Microbiology	25	75	100
	III	Core Practical	Practical-1	4	0	Food Microbiology	0	0	0
48.	III	Allied -1	Paper-1	4	3	Chemistry I	25	75	100
	III	Allied- 1	Practical-1	2	0	Chemistry	0	0	0
49.	III	PE	Paper 1	6	3	Professional English I	25	75	100
50.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II					CIA	Uni. Exam	Total
51.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
52.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
53.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
54.	III	Core Theory	Paper-2	5	4	Human Physiology	25	75	100
55.	III	Core Practical	Practical-1	3	2	C. Food Microbiology D. Human Physiology	25	75	100
56.	III	Allied-1	Paper-2	4	3	Chemistry II	25	75	100
57.	III	Allied Practical - 1	Practical-1	2	2	Chemistry Practical	25	75	100
58.	III	PE	Paper 1	6	3	Professional English II	25	75	100
59.	IV	Value Education		2	2	Value Education	25	75	100
60.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900

S. No.	Part	Study Components		Ins.	Credit	Title of the Paper	Maximum Marks		
		Course Title		Hrs / week					
		SEMESTER III					CIA	Uni. Exam	Total
61.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
62.	II	English	Paper-3	6	4	English	25	75	100
63.	III	Core Theory	Paper-3	5	4	Food Science	25	75	100
	III	Core Practical	Practical	3	0	Food Science	0	0	0
64.	III	ALLIED-2	Paper-3	4	3	Nutritional Biochemistry	25	75	100
	III	Allied Practical	Practical	2	0	Nutritional Biochemistry	0	0	0
65.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
66.	IV	Non-major elective	Paper-1	2	2	Health and fitness	25	75	100
		Sem. Total		30	19		150	450	600
		SEMESTER IV					CIA	Uni. Exam	Total
67.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
68.	II	English	Paper-4	6	4	English	25	75	100
69.	III	Core Theory	Paper-4	5	4	Human Nutrition	25	75	100
70.	III	Core Practical	Practical -2	3	3	C. Food Science D. Human Nutrition	25	75	100
71.	III	ALLIED-2	Paper-4	4	3	Food Preservation	25	75	100
72.	III	Allied Practical-2	Practical-2	2	2	C. Nutritional Biochemistry D. Food Preservation	25	75	100
73.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
74.	IV	Non-major elective	Paper-2	2	2	Nutrition for the Family	25	75	100
				30	24		200	600	800
		SEMESTER V					CIA	Uni. Exam	Total
75.	III	Core Theory	Paper-5	6	5	Dietetics - I	25	75	100
76.	III	Core Theory	Paper-6	6	5	Nutrition Through Life Cycle	25	75	100
77.	III	Core Theory	Paper-7	6	5	Community Nutrition	25	75	100
	III	Core Practical	Practical	3	0	Nutrition through Life Cycle	0	0	0
	III	Core Practical	Practical	3	0	Dietetics - I	0	0	0

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BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

[Under Choice Based Credit System (CBCS)]

w.e.f the academic year 2022-2023

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
45.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
46.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
47.	III	Core Theory	Paper-1	6	4	Foundations of Physical Education	25	75	100
	III	Core Practical	Practical-1	4	0	Major games -I	0	0	0
48.	III	Allied -1	Paper-1	4	3	Yoga Education	25	75	100
	III	Allied- 1	Practical-1	2	0	Mass Demonstration	0	0	0
49.	III	PE	Paper 1	6	3	Professional English I	25	75	100
50.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II					CIA	Uni. Exam	Total
51.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
52.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
53.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
54.	III	Core Theory	Paper-2	5	4	Anatomy and Physiology	25	75	100
55.	III	Core Practical	Practical-1	3	2	Major games – I and II	25	75	100
56.	III	Allied-1	Paper-2	4	3	Theory of Sports and Games	25	75	100
57.	III	Allied Practical - 1	Practical-1	2	2	Indigenous activities	25	75	100
58.	III	PE	Paper 1	6	3	Professional English II	25	75	100
59.	IV	Value Education		2	2	Value Education	25	75	100
60.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		250	750	1000

SEMESTER III							CIA	Uni. Exam	Total
61.	I	Language	Paper-3	6	4	Tamil/other language	25	75	100
62.	II	English	Paper-3	6	4	English	25	75	100
63.	III	Core theory	Paper-3	4	4	Exercise physiology	25	75	100
	III	Core practical	Practical-2	3	0	Major games-III	0	0	0
64.	III	Allied-2	Paper-3	4	3	Health education & Nutrition	25	75	100
	III	Allied practical	Practical-2	3	0	Aerobics and marching	0	0	0

65.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
66.	IV	Non-major elective	Paper-1	2	2	Yoga and Health	25	75	100
				30	19		150	450	600
SEMESTER IV									
67.	I	Language	Paper-4	6	4	Tamil/other languages English	25	75	100
68.	II	English	Paper-4	6	4	English	25	75	100
69.	III	Core theory	Paper-4	4	4	Organization and administration IPE	25	75	100
70.	III	Core practical	Practical-2	3	2	Major games	25	75	100
71.	III	Allied-2	Paper-4	4	3	Theories of sports and games	25	75	100
72.	III	Allied practical	Practical-2	3	2	Minor games	25	75	100
73.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
74.	IV	Non-major elective	Paper-2	2	2	Weigh Management	25	75	100
				30	23		200	600	800
SEMESTER V									
75.	III	Core theory	Paper-5	6	6	Methods in physical education	25	75	100
76.	III	Core theory	Paper-6	6	6	Kinesiology and biomechanics	25	75	100
77.	III	Core theory	Paper-7	6	6	Sports training	25	75	100
	III	core practical	Practical-3	3	-	Track events-I	0	0	0
	III	core practical	practical-4	3	-	Track events-I	0	0	0
78.	III	Internal Elective	Paper-1	3	3	Fitness and wellness	25	75	100
79.	IV	Skill based subject	Paper-2	3	2	Therapeutic Aspects of yoga	25	75	100
				30	23		125	375	500
SEMESTER VI									
80.	III	Core theory	Paper-8	5	4	Test and measurement	25	75	100
81.	III	Core theory	Paper-9	4	4	Sports psychology and Sports sociology	25	75	100
82.	III	Core theory	Paper-10	4	4	Sports management	25	75	100
83.	III	Core Practical	Practical-3	2	2	Track events-I	25	75	100
84.	III	Core Practical	practical-4	2	2	Field events-I	25	75	100
85.	III	Core project (individual /group project)	Paper-1	5	5	Field project	25	75	100
86.	III	Internal Elective	Paper-2	3	3	Modern trends in physical education	25	75	100
87.	III	Internal Elective	Paper-3	3	3	Physiotherapy and first aid	25	75	100
88.	IV	Skill based subject	Paper-3	2	2	Fitness Management	25	75	100
89.	V	Extension activities		0	1		100	-	100
90.		NMSDC III :		0	0	(choose any one)	-	-	

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THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE

B.Sc. PHYSICS

DEGREE COURSE

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I							CIA	Uni. Exam	Total
43.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
44.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
45.	III	Core Theory	Paper-1	6	4	Mechanics	25	75	100
	III	Core Practical	Paper-1	3	0		0	0	0
46.	III	Allied -1	Paper-1	4	3	Chemistry I or Biochemistry I	25	75	100
	III	Allied Practical	Practical-1	3	0		0	0	0
47.	III	PE	Paper 1	6	3	Professional English I	25	75	100
48.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
SEMESTER II							CIA	Uni. Exam	Total
49.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
50.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
51.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
52.	III	Core Theory	Paper-2	4	4	Heat and Thermodynamics	25	75	100
53.	III	Core Practical	Practical-1	3	2	Practical - I	25	75	100
54.	III	Allied-1	Paper-2	4	3	Chemistry II or Biochemistry II	25	75	100
55.	III	Allied Practical	Practical-1	3	2	Practical-Allied	25	75	100
56.	III	PE	Paper 1	6	3	Professional English II	25	75	100
57.	IV	Value Education		2	2	Value Education	25	75	100
58.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		250	750	1000
SEMESTER III							CIA	Uni. Exam	Total
59.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
60.	II	English	Paper-3	6	4	English	25	75	100

61.	III	Core Theory	Paper-3	5	4	Electricity, Magnetism and Electromagnetism	25	75	100
	III	Core Practical	Paper-2	3	0		0	0	0
62.	III	Allied-2	Paper-3	6	3	Mathematics I	25	75	100
63.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
64.	IV	Non-Major Elective	Paper-1	2	2	Environmental Physics	25	75	100
		Sem. Total		30	19		150	450	600
SEMESTER IV									
65.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
66.	II	English	Paper-4	6	4	English	25	75	100
67.	III	Core Theory	Paper-4	5	5	Waves and Optics	25	75	100
68.	III	Core Practical	Practical-2	3	3	Any 15 Experiments given in the syllabus	25	75	100
69.	III	Allied-2	Paper-4	6	5	Mathematics II	25	75	100
70.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
71.	IV	Non-Major Elective	Paper-2	2	2	Everyday Physics	25	75	100
		Sem. Total		30	25		175	525	700
SEMESTER V									
72.	III	Core Theory	Paper-5	6	6	Atomic and Molecular Physics	25	75	100
73.	III	Core Theory	Paper-6	6	6	Relativity and Quantum mechanics	25	75	100
74.	III	Core Theory	Paper-7	6	6	Basic and Applied Electronics	25	75	100
	III	Core Practical	Practical-3	3	0	General Practical	0	0	0
	III	Core Practical	Practical-4	3	0	Electronics Practical	0	0	0
75.	III	Elective	Paper-1	4	3	Group (A) or (B) or (C)	25	75	100
76.	IV	Skill Based Subject	Paper-2	2	2	Cell Phone Technology	25	75	100
		Sem. Total		30	23		125	375	500
SEMESTER VI									
77.	III	Core Theory	Paper-8	6	5	Nuclear and Particle Physics	25	75	100
78.	III	Core Theory	Paper-9	5	5	Solid State Physics	25	75	100
79.	III	Core Practical	Practical-3	3	3	General Practical	25	75	100
80.	III	Core Practical	Practical-4	3	3	Electronics Practical	25	75	100
81.	III	Elective	Paper-2	4	3	Group (A) or (B) or (C)	25	75	100
82.	III	Elective	Paper-3	4	3	Group (A) or (B) or (C)	25	75	100
83.	III	Compulsory Project	Paper-10	3	3	Group / Individual Project	25	75	100
84.	III	NMSDC III : Data Analytics with Advanced Tools for Employability	Paper-3	2	2	Project Based Learning III	25	75	100
85.	V	Extension Activities		0	1		100	0	100
		Sem. Total		30	28		300	600	900
		Grand Total			142				4300

THIRUVALUVAR UNIVERSITY
BACHELOR OF SCIENCE
B.SC. PSYCHOLOGY
DEGREE COURSE
CBCS PATTERN
(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I									
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	5	3	General Psychology-I	25	75	100
47.	III	Core Theory	Paper-2	5	3	Biological Psychology-I	25	75	100
48.	III	ALLIED -1	Paper-1	6	3	Principles of Management	25	75	100
49.	III	PE	Paper-1	6	3	Professional English I	25	75	100
50.	IV	Environmental Studies		2	2	Environmental Studies	25	75	100
		Sem. Total		36	22		175	525	700
SEMESTER II							CIA	Uni. Exam	Total
51.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
52.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
53.	III	Core Theory	Paper-3	4	3	General Psychology-II	25	75	100
54.	III	Core Theory	Paper-4	4	3	Biological Psychology- II	25	75	100
55.	III	ALLIED-1	Paper-2	6	5	Organizational Behaviour	25	75	100
56.	III	PE	Paper-2	6	3	Professional English II	25	75	100
57.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
58.	IV	Value Education		2	2	Value Education	25	75	100
59.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900
SEMESTER III							CIA	Uni. Exam	Total
60.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
61.	II	English	Paper-3	6	4	English	25	75	100
62.	III	Core Theory	Paper-5	5	3	Developmental Psychology-I	25	75	100
63.	III	Core Theory	Paper-6	4	3	Health Psychology	25	75	100
64.	III	ALLIED-2	Paper-3	5	3	Statistics in Psychology	25	75	100
65.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
66.	IV	Non-major Elective	Paper-1	2	2	Human resource management	25	75	100
		Sem. Total		30	21		175	525	700

S.NO.	Part	Study Components		Ins. hrs /week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER IV							CIA	Uni. Exam	Total
67.	III	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
68.	III	English	Paper-4	6	4	English	25	75	100
69.	III	Core Theory	Paper-7	5	4	Developmental Psychology-II	25	75	100
70.	III	Core Theory	Paper-8	5	4	Introduction to Theories of Personality	25	75	100
71.	III	ALLIED-2	Paper-4	4	5	Marketing Management	25	75	100
72.	IV	NMSDC II : Digital Skills for Employability		2	2	Office Fundamentals	25	75	100
73.	IV	Non-major Elective	Paper-2	2	2	Training and Development	25	75	100
		Sem. Total		30	25		200	600	800
SEMESTER V							CIA	Uni. Exam	Total
74.	III	Core Theory	Paper-9	5	4	Abnormal Psychology-I	25	75	100
75.	III	Core Theory	Paper-10	5	4	Social Psychology-I	25	75	100
76.	III	Core Theory	Paper-11	5	4	Introduction to research methodology	25	75	100
	III	Core Practical	Paper-1	7	0	Experimental Psychology I (Practical)	-	-	-
77.	III	Internal Elective	Paper-1	5	3	Guidance & Counseling Psychology	25	75	100
78.	IV	Skill based Subject	Paper-2	3	2	Communicative Skill	25	75	100
		Sem. Total		30	17		125	375	500
SEMESTER VI							CIA	Uni. Exam	Total
79.	III	Core Theory	Paper-12	4	4	Abnormal Psychology-II	25	75	100
80.	III	Core Theory	Paper-13	4	4	Social Psychology-II	25	75	100
81.	III	Core Practical	Paper-1		3	Experimental Psychology I (Practical)	25	75	100
82.	III	Core Practical	Paper-2	4	3	Experimental Psychology-II	25	75	100
83.	III	Project	Paper-14	5	5	Compulsory Project (Group / Individual)	25	75	100
84.	III	Internal Elective	Paper-2	4	3	Positive Psychology	25	75	100
85.	III	Internal Elective	Paper-3	4	3	Substance Use and Counseling	25	75	100
86.	IV	Skill based Subject	Paper-3	3	2		25	75	100

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THIRUVALLUVARUNIVERSITY
BACHELOR OF SCIENCE
B.Sc. SOFTWARE COMPUTER SCIENCE
CBCS PATTERN
(With effect from 2022-2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
47.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
48.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
49.	III	Core Theory	Paper-1	6	4	Programmingin C	25	75	100
50.	III	Core Practical	Practical-1	3	2	Programmingin CLab	25	75	100
51.	III	Allied -1	Paper-1	7	3	(tochooseanyone) 1. MathematicsI 2. Mathematical FoundationsI	25	75	100
52.	III	PE	Paper 1	6	3	Professional English I	25	75	100
53.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	22		175	525	700
		SEMESTER II							
54.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
55.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
56.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
57.	III	Core Theory	Paper-2	5	4	C++& Data Structure	25	75	100
58.	III	Core Practical	Practical-2	2	2	C++ and Data Structures Lab	25	75	100
59.	III	Allied-1	Paper-2	7	5	(tochooseanyone) 1. MathematicsII 2. Mathematical FoundationsII	25	75	100
60.	III	PE	Paper 1	6	3	Professional English II	25	75	100
61.	IV	Value Education		2	2	Value Education	25	75	100
62.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		225	675	900
		SEMESTER III							
63.	I	Language	Paper-3	6	4	Tamil/ OtherLanguages	25	75	100
64.	II	English	Paper-3	6	4	English	25	75	100
65.	III	Core Theory	Paper-3	5	5	JAVA Programming	25	75	100

66.	III	Core Practical	Practical-3	4	2	JAVA Programming Lab	25	75	100
67.	III	AlliedII	Paper-3	5	3	Quantitative Techniques - I	25	75	100
68.	IV	NMSDC: Programming Essentials for Employability	Paper-1	2	2	Fundamentals of coding and cloud	25	75	100
69.	IV	Non-Major Elective	Paper-1	2	2	Introduction to Information Technology	25	75	100
				30	22		175	525	700
		SEMESTER IV					CIA	Uni. Exam	Total
70.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
71.	II	English	Paper-4	6	4	English	25	75	100
72.	III	Core Theory	Paper-4	3	5	Relational Database Management Systems	25	75	100
73.	III	Core Practical	Practical-4	3	2	RDBMS Lab	25	75	100
74.	III	Allied2	Paper-4	5	3	Quantitative Techniques - II	25	75	100
75.	III	Allied Practical	Practical 2	3	2	Quantitative Techniques - LAB	25	75	100
76.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
77.	IV	Non-Major Elective	Paper-2	2	2	Internet Technology	25	75	100
				30	24		200	600	800
		SEMESTER V					CIA	Uni. Exam	Total
78.	III	Core Theory	Paper-5	6	4	Mobile Application Development	25	75	100
79.	III	Core Theory	Paper-6	6	4	Operating System	25	75	100
80.	III	Core Theory	Paper-7	5	4	Data Mining	25	75	100
81.	III	Core Practical	Practical-5	4	2	Operating System-Lab	25	75	100
82.	III	Core Practical	Practical-6	4	2	Mobile Applications Development-Lab	25	75	100
83.	III	Elective I	Paper-1	3	3	4. Information Security 5. Software Testing 6. Internet of Things	25	75	100
84.	IV	Skill Based Subject	Paper-2	2	2	Multimedia Systems	25	75	100
				30	21		175	525	700
		SEMESTER VI							
85.	III	Core Theory	Paper-8	5	4	Open Source Software	25	75	100
86.	III	Core Theory	Paper-9	4	4	Python Programming	25	75	100
87.	III	Core Practical	Practical-7	4	2	Open Source Software Lab	25	75	100
88.	III	Core Practical	Practical-8	4	2	Python Programming Lab	25	75	100

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THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE

B.Sc. STATISTICS

DEGREE COURSE

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
SEMESTER I							CIA	Uni. Exam	Total
44.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
45.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
46.	III	Core Theory	Paper-1	6	4	Descriptive Statistics	25	75	100
	III	Core Practical	Practical-1	4	0	Statistical Practical-I	-	-	-
47.	III	Allied	Paper-1	6	3	Mathematics-I	25	75	100
48.	III	PE	Paper 1	6	3	Professional English I	25	75	100
49.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
SEMESTER II							CIA	Uni. Exam	Total
50.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
51.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
52.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
53.	III	Core Theory	Paper-2	5	4	Probability and Random Variables	25	75	100
54.	III	Core Practical	Practical-1	3	4	Statistical Practical-I	40	60	100
55.	III	Allied	Paper-2	6	3	Mathematics-II	25	75	100
56.	III	PE	Paper 1	6	3	Professional English II	25	75	100
57.	IV	Value Education		2	2		25	75	100
58.	IV	Soft Skill		2	1		25	75	100
		Sem. Total		36	27		240	660	900
SEMESTER III							CIA	Uni. Exam	Total
59.	I	Language	Paper-3	6	4	Tamil/Other Lang.	25	75	100
60.	II	English	Paper-3	6	4	English	25	75	100
61.	III	Core Theory	Paper-3	5	4	Distribution Theory	25	75	100
	III	Core Practical	Practical-2	2	-	Statistical Practical-II	-	-	-
62.	III	Allied	Paper-3	4	3	Numerical Methods	25	75	100
		Allied Practical	Practical-1	2	-	Numerical Methods and Programming in C	-	-	-
63.	IV	NMSDC: Digital Skills	Paper-1	2	2	Microsoft Office Essentials	25	75	100

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THIRUVALLOVAR UNIVERSITY
VELLORE

BACHELOR OF SCIENCE
B.Sc. VISUAL COMMUNICATIONS
UNDER CBCS

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
45.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
46.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
47.	III	Core Theory	Paper-1	6	4	Fundamentals of Communication	25	75	100
	III	Core Practical	Practical-1	4	0	Drawing	0	0	0
48.	III	Allied -1	Paper-1	6	3	Writing for Media	25	75	100
49.	III	PE	Paper 1	6	3	Professional English I	25	75	100
50.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II							
51.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
52.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
53.	II	NMSDC I : Language Proficiency for Employability	Paper-1	2	2	Effective English	25	75	100
54.	III	Core Theory	Paper-2	5	4	Introduction to Visual Communication	25	75	100
55.	III	Core Practical	Paper-1	3	2	Drawing	25	75	100
56.	III	Allied-1	Paper-2	4	3	Photography	25	75	100
57.	III	Allied Practical - 1	Practical-1	2	2	Photography	25	75	100
58.	III	PE	Paper 1	6	3	Professional English II	25	75	100
59.	IV	Value Education		2	2	Value Education	25	75	100
60.	IV	Soft Skill		2	1	Soft Skill	25	75	100
		Sem. Total		36	27		250	750	1000
		SEMESTER III							
61.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
62.	II	English	Paper-3	6	4	English	25	75	100

63.	III	Core Theory	Paper-3	5	4	Television and Radio Programming	25	75	100
	III	Core Practical	Practical-2	4	0	Design Principles I	0	0	0
64.	III	Allied-2	Paper-3	5	3	Basics of News Production	25	75	100
65.	VI	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
66.	IV	Non-Major Elective	Paper-1	2	2	Advertising	25	75	100
		Semester Total		30	19		175	525	700
		SEMESTER IV							
67.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
68.	II	English	Paper-4	6	4	English	25	75	100
69.	III	Core Theory	Paper-4	5	4	Audiography and Videography	25	75	100
70.	III	Core Practical	Practical-2	0	4	Design Principles I	25	75	100
71.	III	Core Practical	Practical-3	4	4	Television and Radio Production	25	75	100
72.	III	Allied-2	Paper-4	5	5	Advertising and Public Relations	25	75	100
73.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
74.	IV	Non-Major Elective	Paper-2	2	2	Photography	25	75	100
				30	29		200	600	800
		SEMESTER V							
75.	III	Core Theory	Paper-5	6	4	Film Studies	25	75	100
76.	III	Core Theory	Paper-6	6	4	Internet and Social Media Applications	25	75	100
77.	III	Core Theory	Paper-7	6	4	Market Study and Survey Techniques	25	75	100
	III	Core Practical	Practical-4	6	0	Design Principles II	0	0	0
78.	III	Internal Elective	Paper-1	6	3	Basics of Journalism	25	75	100
79.	IV	Skill based subject	Paper-2	0	2	(Internship*)	100	-	100
		Semester Total		30	17		125	375	500
		SEMESTER VI							
80.	III	Core Theory	Paper-8	5	4	Media Laws and Ethics	25	75	100
81.	III	Core Theory	Paper-9	5	4	Managing Media Business	25	75	100
82.	III	Core Theory	Paper-10	5	4	Production Management	25	75	100
83.	III	Core Practical	Practical-4	0	4	Design Principles II	25	75	100
84.	III	Compulsory Project		5	5	Group / Individual Project	25	75	100
85.	III	Internal Elective	Paper-2	4	3	Marketing Communication	25	75	100
86.	III	Internal Elective	Paper-3	4	3	Light and Colour	25	75	100

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THIRUVALLUVAR UNIVERSITY

BACHELOR OF SCIENCE

B.Sc. ZOOLOGY

DEGREE COURSE

(With effect from 2022 - 2023)

The Course of Study and the Scheme of Examinations

S. No.	Part	Study Components		Ins. Hrs / week	Credit	Title of the Paper	Maximum Marks		
		Course Title					CIA	Uni. Exam	Total
		SEMESTER I							
30.	I	Language	Paper-1	6	4	Tamil/Other Languages	25	75	100
31.	II	English (CE)	Paper-1	6	4	Communicative English I	25	75	100
32.	III	Core Theory	Paper-1	6	4	Invertebrata	25	75	100
	III	Core Practical	Practical-1	4	0	Invertebrata and chordata	0	0	0
33.	III	Allied -1	Paper-1	4	3	(To choose 1 out of 3) 4. Chemistry – I 5. Botany – I 6. Economic Entomology – I	25	75	100
	III	Allied- 1	Practical-1	2	0		0	0	0
34.	III	PE	Paper 1	6	3	Professional English I	25	75	100
35.	IV	Environmental Studies		2	2	Environmental studies	25	75	100
		Sem. Total		36	20		150	450	600
		SEMESTER II					CIA	Uni. Exam	Total
36.	I	Language	Paper-2	6	4	Tamil/Other Languages	25	75	100
37.	II	English (CE)	Paper-2	4	4	Communicative English II	25	75	100
38.	II	NMSDC I : Language Proficiency for Employability	Paper 1	2	2	Effective English	25	75	100
39.	III	Core Theory	Paper-2	5	4	Chordata	25	75	100
40.	III	Core Practical	Practical-1	3	2	Invertebrata and chordata	25	75	100
41.	III	Allied-1	Paper-2	4	3	(To choose 1 out of 3) 4. Chemistry II 5. Botany II 6. Economic Entomology II	25	75	100
42.	III	Allied Practical - 1	Practical-1	2	2		25	75	100
43.	III	PE	Paper 1	6	3	Professional English II	25	75	100
44.	IV	Value Education		2	2		25	75	100
45.	IV	Soft Skill		2	1		25	75	100
		Sem. Total		36	27		250	750	1000
		SEMESTER III					CIA	Uni.	Total

								Exam	
46.	I	Language	Paper-3	6	4	Tamil/Other Languages	25	75	100
47.	II	English	Paper-3	6	4	English	25	75	100
48.	III	Core Theory	Paper-3	4	4	Cell and molecular Biology	25	75	100
	III	Core Practical	Practical- II	3	0	Cell and molecular Biology	0	0	0
49.	III	Allied-2	Paper-3	4	3	(To choose 1 out of 3) 4. Chemistry - I 5. Botany - I 6. Economic Entomology - I	25	75	100
		Allied Practical - 2	Practical-2	3	0		0	0	0
50.	IV	NMSDC: Digital Skills for Employability	Paper-1	2	2	Microsoft Office Essentials	25	75	100
51.	IV	Non-Major Elective	Paper-1	2	2	(To choose 1 out of 2) 1.Public Health and Hygiene 2.Poultry Farming	25	75	100
		Sem. Total		30	19		150	450	600
		SEMESTER IV					CIA	Uni. Exam	Total
52.	I	Language	Paper-4	6	4	Tamil/Other Languages	25	75	100
53.	II	English	Paper-4	6	4	English	25	75	100
54.	III	Core Theory	Paper-4	4	4	Genetics and Biotechnology	25	75	100
55.	III	Core Practical	Practical-2	3	3	Cell and molecular Biology and Genetics and Biotechnology	25	75	100
56.	III	Allied-2	Paper-4	4	3	(To choose 1 out of 3) 4. Chemistry II 5. Botany II 6. Economic Entomology II	25	75	100
57.	III	Allied Practical - 2	Practical-2	3	2		25	75	100
58.	IV	NMSDC II : Digital Skills for Employability	Paper-2	2	2	Office Fundamentals	25	75	100
59.	IV	Non-Major Elective	Paper-2	2	2	(To choose 1 out of 2) 3. Bio-Fertilizer Production 4. Aquarium Fish keeping	25	75	100
		Sem. Total		30	24		200	600	800
		SEMESTER V					CIA	Uni. Exam	Total
44.	III	Core Theory	Paper-5	6	6	Bio-Statistics and Bio- Informatics	25	75	100
	III	Core Practical	Practical-3	3	0	Bio-Statistics and Bio- Informatics Developmental Biology and Immunology Animal Physiology	0	0	0
45.	III	Core Theory	Paper-6	6	6	Developmental Biology and	25	75	100

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