

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

COIMBATORE – 641 029



Prospectus with number of Courses in all Programs for the Academic Year 2018-2019

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(2018 – 2019)

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UEL1

B.A English Literature

CURRICULUM AND SCHEME OF EXAMINATION UNDER CBCS

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 AND ONWARDS)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam. hours	Credit
					CIA	ESE	TOTAL		
I	I	18 TML101@	Language I/ Tamil/ Malayalam/Hindi/ French	6	25	75	100	3	3
	II	18ENG101	English I	6	25	75	100	3	3
	III	18UEL101	Core paper 1-Prose	6	25	75	100	3	4
		18UEL102	Core paper 2-Fiction	5	25	75	100	3	4
		18UEL1A1	Allied paper 1: Social History of England	5	25	75	100	3	5
	IV	18EVS101	Environmental Studies**	2	-	50	50	3	2
			Total	30	125	425	550	-	18
II	I	18TML202@	Language II Tamil/ Malayalam/Hindi/ French	6	25	75	100	3	3
	II	18ENG202	English II	6	25	75	100	3	3
	III	18UEL203	Core paper 3- Grammar and Usage	6	25	75	100	3	4
		18UEL204	Core paper 4-Drama	5	25	75	100	3	4
		18UEL2A2	Allied paper 2: Literary Forms	5	25	75	100	3	5
	IV	18VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
			Total	30	125	425	550	-	21
III	I	18TML303@	Language III Tamil/ Malayalam/Hindi/French	6	25	75	100	3	3
	II	18ENG303	English III	6	25	75	100	3	3
	III	18UEL305	Core paper 5- Poetry I	4	25	75	100	3	4
		18UEL306	Core paper 6- Introduction to Phonetics	5	25	75	100	3	4
		18UEL3A3	Allied paper 3: History of English Literature	5	25	75	100	3	5
	IV	18UGA3S1	Skill Based Subject: 1 General Awareness	2	25	75	100	3	3
		18UEL3N1/ 18TBT301/ 18TAT301	Basic Tamil*/ Advanced Tamil** (OR) Non-Major Elective-I**	2	-	75	75	3	3
			Total	30	150	525	675	-	25

UEL2

Sem	Part	Subject code	Title of the Paper	Instruction hours	Marks			Duration of Exam. hours	Credit
					CIA	ESE	Total		
IV	I	18TML404@	Language IV Tamil/ Malayalam/Hindi/French	6	25	75	100	3	3
	II	18ENG404	English IV	6	25	75	100	3	3
	III	18UEL407	Core paper 7-Poetry II	5	25	75	100	3	4
		18UEL408	Core paper 8-Indian Writing in English	4	25	75	100	3	4
		18UEL4A4	Allied paper 4: Introduction to Journalism	5	25	75	100	3	5
	IV	18UEL4S2	Skill Based Subject: 2 Personality Development	2	25	75	100	3	3
		18UEL4N2/ 18TBT402/ 18TAT402	Basic Tamil*Advanced Tamil**(OR) Non-Major Elective-II**	2	-	75	75	3	2
			Total	30	150	525	675	-	24
V	I	18UEL509	Core paper 9 -Shakespeare I	5	25	75	100	3	4
	II	18UEL510	Core paper 10 - American Literature	6	25	75	100	3	4
	III	18UEL511	Core paper 11-Literary Criticism	6	25	75	100	3	4
		18UEL512	Core paper 12-Introduction to Travel Writing	6	25	75	100	3	4
		18UEL5E1	Major Elective I	5	25	75	100	3	5
	IV	18UEL5S3	Skill Based Subject: 3 Inspiring Speeches	2	25	75	100	3	3
			Total	30	150	450	600	-	24
VI	I	18UEL613	Core paper 13 -Shakespeare II	6	25	75	100	3	3
	II	18UEL614	Core paper 14 - Indian Literature in English Translation	6	25	75	100	3	3
	III	18UEL615	Core paper 15- Women's Writings in English	6	25	75	100	3	3
		18UEL616	Core paper 16 - New Literature in English	5	25	75	100	3	3
		18UEL6Z1	Project and Viva voce	-	-	-	100	3	5
		18UEL6E2	Major Elective II	5	25	75	100	3	5
	IV	18UEL6S4	Skill Based Subject: 4 English Language Teaching	2	25	75	100	3	3
	V	\$\$	Extension Activities *	-	50	-	50	-	1
			Total	30	225	525	750	-	26
Grand Total				180			3800	-	140

\$\$ NCC/NSS/YRC/PYE/RRC/WEC/ECC

@ French / Hindi / Malayalam / Sanskrit

* No End-of-Semester Examinations (ESE). Only Continuous Internal Assessment (CIA).

** No Continuous Internal Assessment (CIA). Only End-of-Semester Examinations (ESE)

*** Project Report – 60 marks; Viva voce – 20 marks; Internal-20 marks

**** The students shall undergo an Internship training / field work for a minimum period of 2 weeks at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the respective faculty. According to their marks, the grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
< 40	U (Reappear)

Major Elective Papers (2 papers are to be chosen from the following 6 papers)

1. English for Competitive Examinations
2. Children's Literature
3. Classical Literature in Translation
4. Ethics in Literature
5. Intensive Study of an Author
6. Commonwealth Literature

Non-Major Elective Papers

1. Human Rights
2. Women's Rights
3. Consumer Affairs

Note: In core/ allied subjects, no. of papers both theory and practical are included wherever applicable. However, the total credits and marks for core/allied subjects remain the same as stated below.

Certificate Course:

Journalism and Mass Media

Tally Table:

S.No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/ French/ Sanskrit	400	12
2.	II	English	400	12
3.	III	Core – Theory/Practical/Project	1600	60
		Allied	400	20
		Electives	300	15
4.	IV	Basic Tamil / Advanced Tamil (or) Non-major Elective	150	4
		Skill Based Subject	400	12
		Environmental Studies	50	2
		Value Education	50	2
5.	V	Extension Activities	50	1
		Total	3800	140

Note :

CBCS – Choice Based Credit system
 CIA – Continuous Internal Assessment
 ESE – End of Semester Examinations

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN**K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate****1. Theory Examination - Part I, II & III****(i) CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10)	25
	CIA 2	75	15	
	Assignment/Seminar		5	

UEL6

Attendance	5	
Practical CIA Practical	25	40
Observation Notebook	10	
Attendance	5	
Project Review	15	20
Regularity	5	

PROGRAMME: BA ENGLISH LITERATURE

Programme Outcome (PO)

- PO 1:** To expose the students to the world of English literature and to make them realise the universal truths discussed in it, leading to a holistic life.
- PO 2:** To help the students write critically about literature, using textual evidence with proper citation.
- PO 3:** To prepare the student to use English proficiently in everyday life and to lay the foundation for various eligibility tests.
- PO 4:** To provide LSRW skills, soft skills and personality development for employability.
- PO 5:** To lay the foundations of a research mentality.
- PO 6:** To update knowledge in various upcoming areas of literature
- PO 7:** To endow the students with the necessary skill-set to face the global scenario.
- PO 8:** To arm the students with the knowledge and skills necessary to choose among a variety of occupations in related fields

Programme Specific Outcome (PSO)

- PSO 1:** To involve the students in analyzing and interpreting literature and to make the students realise how life and literature are closely connected.
- PSO 2:** To inculcate ethics in the minds of the pupils.
- PSO 3:** To equip the learners with linguistic and communicative skills
- PSO 4:** To facilitate the students to write comprehensive articles on journalistic stories, feature and travel writing.
- PSO 5:** To produce a positive personality leading to a suitable profession.

UMA 1

B.Sc Mathematics

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 & ONWARDS)

Semester	Subject Code/ Question Paper Code	Part		Title of the Paper	Instruction Hours	Exam. Marks			\$ Duration of Exam.	Credits
						CIA	ESE	Total		
I	18TML101@	I	LAN	Tamil I/ Hindi I / Malayalam I/ French I /Sanskrit I	6	25	75	100	3	3
	18ENG101	II	LAN	English I	6	25	75	100	3	3
	18UMA101	III	CP 1	Classical Algebra	4	25	75	100	3	4
	18UMA102	III	CP 2	Calculus	5	25	75	100	3	4
	18UMA1I1	III	AP A1	Statistics I	7	25	75	100	3	5
	18EVS101	IV	EVS	Environmental Studies**	2	-	50	50	3	2
				Total	30			550		21
II	18 TML202 @	I	LAN	Tamil II/ Hindi II / Malayalam II/ French II/Sanskrit II	6	25	75	100	3	3
	18ENG202	II	LAN	English II	6	25	75	100	3	3
	18UMA203	III	CP 3	Differential Equations and Laplace Transforms	4	25	75	100	3	4
	18UMA204	III	CP 4	Trigonometry, Vector calculus and Fourier Series	5	25	75	100	3	4
	18UMA2I2	III	AP A2	Statistics II	7	25	75	100	3	5
	18VED201	IV	VED	Value Education -Moral and Ethics**	2	-	50	50	3	2
				Total	30			550		21

III	18TML303 [@]	I	LAN	Tamil III/ Hindi III / Malayalam III/ French III/ Sanskrit III	6	25	75	100	3	3
	18ENG303	II	LAN	English III	6	25	75	100	3	3
	18UMA305	III	CP 5	Analytical Geometry	4	25	75	100	3	4
	18UMA306	III	CP 6	Statics	3	25	75	100	3	4
	18UPH3A1	III	AP B1	Physics I Theory	5	20	55	75	3	4
	-	III	APr 1	Physics I Practical	2	-	-	-	-	-
	18UGA3S1	IV	SBS 1	General Awareness	2	25	75	100	3	3
	18TBT301 / 18TAT301/ 18UHR3N1		NMEP 1	Basic Tamil * / Advanced Tamil **/ Non - Major Elective Paper- I **	2	-	75	75	3	2
				Total	30			650		23
IV	18TML404 [@]	I	LAN	Tamil IV/ Hindi IV / Malayalam IV / French IV/Sanskrit IV	6	25	75	100	3	3
	18ENG404	II5	LAN	English IV	6	25	75	100	3	3
	18UMA407	III	CP 7	Graph Theory	3	25	75	100	3	4
	18UMA408	III	CP 8	Dynamics	4	25	75	100	3	4
	18UPH4A2	III	AP B2	Physics II – Theory	5	20	55	75	3	4
	18UPH4AL	III	A Pr 1	Physics – Practical	2	20	30	50	3	2
	18UMA4S2	IV	SBS 2	Theory of Numbers	2	25	75	100	3	3

	18TBT402 / 18TAT402 / 18WHR4N2	IV	NMEP 2	Basic Tamil * / Advanced Tamil **/ Non - Major Elective Paper- II **	2	-	75	75	3	2
				Total	30			700		25
V	18UMA509	III	CP 9	Real Analysis I	5	25	75	100	3	3
	18UMA510	III	CP 10	Complex Analysis I	6	25	75	100	3	4
	18UMA511	III	CP 11	Modern Algebra I	6	25	75	100	3	4
	18UMA512	III	CP 12	Programming in C- Theory	4	25	75	100	3	3
	18UMA5CL	III	C Pr 1	Programming in C- Practical	2	40	60	100	3	2
	18UMA5E1	I	MEP 1	Major Elective Paper	5	25	75	100	3	5
	18UMA5S3	IV	SBS 3	Fundamentals of LaTeX- Theory	2	25	75	100	3	3
				Total	30			700		24
VI	18UMA613	III	CP 13	Real Analysis II	6	25	75	100	3	4
	18UMA614	III	CP 14	Complex Analysis II	6	25	75	100	3	4
	18UMA615	III	CP 15	Modern Algebra II	6	25	75	100	3	4
	18UMA6E2	III	MEP 2	Major Elective Paper	5	25	75	100	3	5
	18UMA6E3	III	MEP 3	Major Elective Paper	5	25	75	100	3	5
	18UMA6S4	IV	SBS 4	Fundamentals of LaTeX - Practical	2	25	75	100	3	3
	\$\$	V	EA	Extension Activity* (NSS / NCC /PYE/YRC etc)	-	50	-	50	-	1
				Total	30			650		26
					TOTAL			3800		140

\$\$ NCC /NSS /PYE /YRC /RRC /ECC /WEC

@ Hindi -18HIN101/202/303/404

French -18FRN101/202/303/404

Malayalam -18MLM101/202/303/404

Sanskrit -18SAN101/202/303/404

* No End of semester examinations. Only CIA

** No CIA. Only End of semester examinations

MAJOR ELECTIVE PAPERS

(3 papers are to be chosen from the following 9 papers)

1. Discrete Mathematics and Automata Theory
2. Operations Research
3. Numerical Methods
4. Linear Algebra
5. Business Application Software
6. Astronomy
7. Fuzzy Mathematics
8. Combinatorics
9. Stochastic processes

NON-MAJOR ELECTIVE PAPERS

1. Human Rights
2. Women's Rights
3. Consumer Affairs

Note

CBCS – Choice Based Credit System, CIA – Continuous Internal Assessment, ESE – End Semester Examination, LAN – Language , CP – Core Paper,

AP A – Allied Paper A (First Allied), APB – Allied Paper B (Second Allied),

EVS – Environmental Studies, VED – Value Education, APr – Allied Practical, SBS – Skill Based Subject, CPr – Core Practical, NMEP – Non Major Elective Paper, MEP – Major Elective Paper,

NCC – National Cadet Corps, NSS – National Service Scheme, PHE – Physical Education,

YRC – Youth Red Cross, EA – Extension Activity.

25% CIA is applicable to all subjects under Parts I, II, III and IV (Skill based subjects only)

(No CIA for other subjects in part IV), for Part V CIA only (No ESE).

Co curricular activities like NCC / NSS / Sports /YRC are conducted outside College hours.

Tally Table

Part	Subject	Total Marks	Total Credits
I	Language (Tamil/ Hindi/ French/ Malayalam/ Sanskrit) (4)	400	12
II	English (4)	400	12
III	Core-Theory/Practical (16)	1600	60
	Elective (Major) (3)	300	15
	Allied (4)	400	20
IV	Basic Tamil/Adv.Tamil / Non Major Elective (2)	150	4
	Skill Based Subject (4)	400	12
	Environmental Studies (1)	50	2
	Value Education (1)	50	2
V	Extension Activity (1)	50	1
	Grand Total	3800	140

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN**K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate****1. Theory Examination - Part I, II & III****(i) CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10)	25
	CIA 2	75		
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE-641 029

B.Sc. PHYSICS

Curriculum and Scheme of Examination under CBCS

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018 –2019 ONWARDS)

Semester	Part	Subject code	Title of the Paper	Instruction hours / cycle	Exam. Marks			Duration of Exam. Hrs.	Credit
					CIA	ESE	Total		
I	I	18TML103 [@]	LAN –Tamil I/Hindi I/ French I / Malayalam I / Sanskrit I	6	25	75	100	3	3
	II	18ENG101	LAN–English I	6	25	75	100	3	3
	III	18UPH101	C.P.1– Properties of Matter and Sound	6	25	75	100	3	5
		18UPH2CL	C.Pr.1-Practical I	3	-	-	-	-	-
		18UMA1A1	Allied Subject I Mathematics – I	7	25	75	100	3	5
	IV	18EVS101	Environmental Studies**	2	-	50	50	3	2
				30	100	350	450		18
II	I	18TML202 [@]	LAN- Tamil II / Hindi II/ French II /Malayalam II / Sanskrit III	6	25	75	100	3	3
	II	18ENG202	LAN- English II	6	25	75	100	3	3
	III	18UPH202	C.P.2 – Heat and Thermodynamics	6	25	75	100	3	5
		18UPH2CL	C.Pr.1-Practical I	3	40	60	100	3	2
		18UMA2A2	Allied Subject I Mathematics –II	7	25	75	100	3	5
	IV	18VED201	Value Education Moral and Ethics**	2	50		50	3	2
				30	140	360	550		20
III	I	18TML303 [@]	LAN - Tamil III/Hindi III/ French III / Malayalam III / Sanskrit III	6	25	75	100	3	3
	II	18ENG303	LAN –English III	6	25	75	100	3	3
	III	18UPH303	C.P.3 – Mechanics	4	25	75	100	3	5
		18UPH4CM	C.Pr.2 Practical II	3	-	-	-	-	-
		18UCH3A3	Allied Subject II Chemistry –I	4	20	55	75	3	4
		18UCH4AL	Allied Practical Chemistry Practical	3	-	-	-	-	-
	IV	18UGA3S1	Skill based Subject 1 – General Awareness	2	25	75	100	3	3
	IV	18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil*/Advanced Tamil** / Non Major Elective-I**	2	75		75	3	2
				30	120	355	550		18

UPH2

IV	I	18TML404 [@]	LAN – Tamil IV/Hindi IV/ French IV / Malayalam IV Sanskrit IV	6	25	75	100	3	3
	II	18ENG404	LAN – English IV	6	25	75	100	3	3
	III	18UPH404	C.P.4 – Electricity and Magnetism	4	25	75	100	3	5
		18UPH4CM	C.Pr.2 – Practical II	3	40	60	100	3	2
		18UCH4A4	Allied Subject II Chemistry –II	4	20	55	75	3	4
		18UCH4AL	Allied Practical Chemistry Practical	3	20	30	50	3	2
	IV	18UPH4S2	Skill based Subject –2 Medical Instrumentation	2	25	75	100	3	3
		18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil* / Advanced Tamil** / Non Major Elective - II**	2	-	75	75	3	2
				30	180	520	700		24
V	III	18UPH505	C.P.5 – Astrophysics	4	25	75	100	3	4
		18UPH506	C.P.6 – Optics and Laser Physics	4	25	75	100	3	4
		18UPH507	C.P.7 – Principles of Electronic Devices and Circuits	4	25	75	100	3	4
		18UPH508	C.P.8 – Quantum Mechanics and relativity	4	25	75	100	3	5
		18UPH5E1	Major Elective Paper – I	4	25	75	100	3	5
		18UPH6CN	C.Pr.3 – Practical III - General	3	-	-	-	-	-
		18UPH6CO	C.Pr.4 – Practical IV - Electronics , Digital Electronics and Microprocessors	2	-	-	-	-	-
		18UPH6CP	C.Pr.5 – Practical V - Programming in C	2	-	-	-	-	-
	IV	18UPH5S3	Skill Based Subject 3 - Programming in C	3	25	75	100	3	3
				30	150	450	600		25
VI	III	18UPH609	C.P.9 – Atomic and Solid State Physics	4	25	75	100	3	4
		18UPH610	C.P.10 – Fundamentals of Digital Electronics	4	25	75	100	3	4
		18UPH611	C.P.11 – Nuclear Physics	4	25	75	100	3	5
		18UPH6E2	Major Elective Paper - II	4	25	75	100	3	5

UPH3

		18UPH6E3	Major Elective Paper - III	4	25	75	100	3	5
		18UPH6CN	C.Pr.3 Practical III - General	3	40	60	100	3	2
		18UPH6CO	C.Pr.4 Practical IV - Electronics , Digital Electronics and Microprocessors	2	40	60	100	3	2
		18UPH6CP	C.Pr.5 Practical V – Programming in C	2	40	60	100	3	2
	IV	18UPH6S4	Skill Based Subject 4 – Introduction to Microprocessor	3	25	75	100	3	3
	V	18NCC/NSS/YRC/PYE101\$\$	Extension Activities*	-	50	-	50	-	1
				30	320	630	950		33
			Total	180			3800		140

@ Malayalam – 18MLM 101 - 404

@ Hindi/ French/ Sanskrit – 18HIN/FRN/SAN 101 - 404

* No End of Semester Examinations (ESE), only Continuous Internal Assessment (CIA)

** No Continuous Internal Assessment (CIA), only End of Semester Examinations (ESE)

Major Elective Papers

(3 papers are to be chosen from the following 6 papers)

1. Principles of Communication Systems
2. Energy Source and Nanoscience
3. Electronic Instrumentation
4. Mathematical Physics
5. Object oriented programming in C++
6. Introduction to Biophysics

Non - Major Elective papers

1. Human Rights
2. Women's Rights
3. Consumer Affairs

Note:

In core/allied subjects no. of papers in both theory and practical are included wherever applicable. However the total credits and marks for core /allied subjects remain the same as stated below.

Tally Table

S. No	Part	Subject	Marks	Credits
1	I	Language - Tamil/Hindi/Malayalam/French/Sanskrit	400	24
2	II	English	400	24
3	III	Core- Theory / Practical's	1600	60
		Allied	400	20
		Electives	300	15
4	IV	Basic Tamil /Advanced Tamil /Non-Major Elective	150	4
		Skill Based Subjects	400	12
		Environmental Studies	50	2
		Value Education	50	2
	V	Extension Activities 1	50	1
Total			3800	140

Note:

- CBCS - Choice Based Credit System
- CIA - Continuous Internal Assessment
- ESE - End of Semester Examination

Mark distribution for Core Theory & Practicals

1. Breakup marks for CIA of Theory	
CIA Exam	15
Assignment	5
Attendance	5
Total	25
2. Components of Practical	
Breakup marks for CIA of Practical	
CIA Practical Exam	25
Observation Notebook/Regularity	10
Attendance	5
Total	40
Breakup marks for ESE of Practical	
*Experiment	50
Record	10
Total	60
* Breakup marks for Experiment (50 Marks)	
Formula and its expansion	10
Circuit diagram/ Figure/Graph	5
Observation and Tabulation	5
Skill	15
Calculation	10
Result and neatness	5
Total	50

Question Paper Pattern for CIA and ESE**Theory**

Maximum marks: 75

Section - A (10 × 1 = 10 marks)

Q.No. 1 to 10: Multiple choice types alone with four distracters each

Section - B (5 × 5 =25 marks)

Q.No. 11 to 15: Either or / essay type question (One question 'a' or 'b' from each unit.)

Note: In Section B, one question should be a problem from any of the five units
(both the options 'a' and 'b')

Section - C (5 × 8 =40 marks)

Q. No. 16 to 20: Either or / essay type question (One question 'a' or 'b' from each unit.)

Mark distribution for Allied Theory & Practicals

1. Breakup marks for CIA of Theory	
CIA Exam	10
Assignment	5
Attendance	5
Total	20
2. Components of Practical	
Breakup marks for CIA of Practical	
CIA Practical Exam	10
Observation Notebook/Regularity	5
Attendance	5
Total	20
Breakup marks for ESE of Practical	
*Experiment	25
Record	5
Total	30
* Breakup marks for Experiment (25 Marks)	
Formula and its expansion	5
Circuit diagram/ Figure/Graph	4
Observation and Tabulation	4
Skill	5
Calculation	5
Result and neatness	2
Total	25

Question Paper Pattern for Allied CIA and ESE**Theory**

Maximum marks: 55

Section - A (10 × 1 = 10 marks)

Q.No. 1 to 10: Multiple choice types alone with four distracters each

Section - B (5 × 3 = 15 marks)

Q.No. 11 to 15: Either or / essay type question (One question 'a' or 'b' from each unit.)

Section - C (5 × 6 = 30 marks)

Q. No. 16 to 20: Either or / essay type question (One question 'a' or 'b' from each unit.)

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)
(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR
2018-2019 ONWARDS)

Semester	Part	Subject Code	Title of the Paper	Instruction	Exam Marks			Duration of Exam (Hours)	Credits
					CIA	ESE	Total		
I	I	18TML101	Language I@	6	25	75	100	3	3
	II	18ENG101	English I	6	25	75	100	3	3
	III	18UCH101	Core Chemistry Paper- I Inorganic, Organic & Physical Chemistry - I	6	25	75	100	3	5
			Core Chemistry Practical- I Inorganic qualitative analysis & Preparations	3	-	-	-	-	-
		18UMA1A2/ 18UZO1A1	Allied Mathematics Paper -I/ Allied Zoology Paper- I	7/ 5	25/ 20	75/ 55	100/7 5	3	5/ 4
			Allied Zoology Practical	2	-	-	-	-	-
	IV	18EVS101	Environmental Studies* *	2	-	50	50	3	2
II	I	18TML202	Language II@	6	25	75	100	3	3
	II	18ENG202	English II	6	25	75	100	3	3
	III	18UCH202	Core Chemistry Paper- II Inorganic, Organic & Physical Chemistry - II	6	25	75	100	3	5
		18UCH2CL	Core Chemistry Practical- I Inorganic qualitative analysis & Preparations	3	40	60	100	3	2
		18UMA2A2/ 18UZO2A2	Allied Mathematics Paper - II/Allied Zoology Paper- II	7/ 5	25/ 20	75/ 55	100/7 5	3	5/ 4
		18UZO2AL	Allied Zoology Practical	2	20	30	50	3	2
	IV	18VED201	Value Education-Moral & Ethics* *	2	-	50	50	3	2
III	I	18TML303	Language III @	6	25	75	100	3	3
	II	18ENG303	English III	6	25	75	100	3	3
	III	18UCH303	Core Chemistry Paper- III Inorganic, Organic & Physical Chemistry - III	4	25	75	100	3	4
			Core Chemistry Practical- II Inorganic volumetric and organic qualitative analysis	3	-	-	-	-	-
		18UPH3A1	Allied Physics Paper- I	4	20	55	75	3	4
			Allied Physics Practical- I	3	-	-	-	-	-

UCH 2

	IV	18UGA3S1	Skill Based Subject- I General Awareness (on line)	2	25	75	100	3	3
		18TBT301/18 TAT301/ 18UHR3N1	Basic Tamil*/ Advanced Tamil**/ Non Major elective -I **	2	75		75	3	2
IV	I	18TML404	Language IV @	6	25	75	100	3	3
	II	18ENG404	English IV	6	25	75	100	3	3
	III	18UCH404	Core Chemistry paper- IV Inorganic, Organic & Physical Chemistry - IV	4	25	75	100	3	4
		18UCH4CM	Core Chemistry Practical- II Inorganic volumetric and organic qualitative analysis	3	40	60	100	6	3
		18UPH4A2	Allied Physics Paper- II	5	20	55	75	3	4
		18UPH4AL	Allied Physics Practical -I	2	20	30	50	3	2
	IV	18UCH4S2	Skill Based Subject -II Water chemistry	2	25	75	100	3	3
	IV	18TBT402/18 TAT402/ 18UWR4N2	Basic Tamil*/ Advanced Tamil**/ Non Major elective – II**	2		75	75	3	2
V	III	18UCH505	Core Chemistry Paper –V Spectroscopy and chromatographic techniques	3	25	75	100	3	3
		18UCH506	Core Chemistry Paper –VI Inorganic Chemistry – I	4	25	75	100	3	4
		18UCH507	Core Chemistry Paper –VII Organic Chemistry - I	4	25	75	100	3	4
		18UCH508	Core Chemistry Paper –VIII Physical Chemistry - I	4	25	75	100	3	4
		18UCH5E1	Major Elective -I	3	25	75	100	3	5
		18UCH6CN	Core Chemistry Practical -III Gravimetric Analysis	3	-	-	-	-	-
		18UCH6CO	Core Chemistry Practical–IV Physical Chemistry Experiments	4	-	-	-	-	-
		18UCH6CP	Core Chemistry Practical –V Application Oriented practical	3	-	-	-	-	-
	IV	18UCH5S3	Skill Based Subject-III Industrial Chemistry	2	25	75	100	3	3

UCH 3

VI	III	18UCH609	Core Chemistry Paper-IX Inorganic Chemistry - II	4	25	75	100	3	4
		18UCH610	Core Chemistry Paper-X Organic Chemistry-II	4	25	75	100	3	4
		18UCH611	Core Chemistry Paper-XI Physical Chemistry - II	4	25	75	100	3	4
		18UCH6E1	Major Elective – II	3	25	75	100	3	5
		18UCH 6Z1	Project***	3	20	80	100	-	5
		18UCH6CN	Core Chemistry Practical- III Gravimetric Analysis	3	40	60	100	3	3
		18UCH6CO	Core Chemistry Practical-IV Physical Chemistry Experiments	3	40	60	100	3	3
		18UCH6CP	Core Chemistry Practical –V Application Oriented practicals	4	40	60	100	3	4
	IV	18UCH6S4	Skill Based Subject- IV Food chemistry	2	25	75	100	3	3
	V	18NCC/NSS/Y RC/ PYE101	Extension Activities*	-	50	-	50	-	1

@French/Hindi/Malayalam/Sanskrit

* No End of Semester Examinations (ESE). Only Continuous Internal Assessment (CIA).

** No Continuous Internal Assessment (CIA). Only End of Semester Examinations (ESE).

*** Project Report – 60 marks; Viva-voce – 20 marks; Internal – 20 marks

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

MAJOR ELECTIVE PAPERS

(Two papers are to be chosen from the following four papers.)

1. Polymer Chemistry
2. Nano and Dye Chemistry
3. Pharmaceutical Chemistry
4. Agricultural Chemistry
5. Green Chemistry
6. Chemical Industry

Non-Major Elective Papers

1. Human Rights

UCH 4

2. Women's Rights
3. Consumer awareness

JOC – Job Oriented Course

Textile Chemistry

Tally Table

S.No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/French/Sanskrit	400	12
2.	II	English	400	12
3.	III	Core – Theory/Practical	1600	60
		Allied	400	20
		Electives/ Project	300	15
4.	IV	Basic Tamil/Advanced Tamil/Non-major elective	150	4
		Skill Based Subjects	400	12
		Environmental studies	50	2
		Value Education	50	2
5.	V	Extension Activities	50	1
Total			3800	140

Note:

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End of Semester Examinations

UCH 5

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate

1. Theory Examination - Part I, II & III

(i) CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

UCH 6

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	$(75+75 = 150/10)$	25
	CIA 2	75		
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(APPLICABLE TO STUDENTS DURING THE ACADEMIC YEAR 2018-2019 AND ONWARDS)

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credit
					CIA	ESE	Total		
I	I	18TML101	Part-I -Lang. -Tamil-I /Hindi-I/French -I / Malayalam -I/ Sanskrit-I	6	25	75	100	3	3
	II	18ENG101	Part - II - English - I	6	25	75	100	3	3
	III	18UBO101	C.P.1- Plant Diversity - I	7	25	75	100	3	5
		18UZO1A1	Allied -1 Zoology - I	5	20	55	75	3	4
			C.Pr.1 - Plant Diversity - I	2	-	-	-	-	-
			Allied Pr. Zoology - I	2	-	-	-	-	-
	IV	18EVS101	Environmental studies**	2	-	50	50	3	2
	Total			30			425		17
II	I	18TML202	Part - I- Tamil-II /Hindi-II /French-II / Malayalam-II / Sanskrit - II	6	25	75	100	3	3
	II	18ENG202	Part- II- English - II	6	25	75	100	3	3
	III	18UBO202	C.P.2 - Plant Diversity - II	7	25	75	100	3	5
		18UZO2A2	Allied - 2 Zoology - II	5	20	55	75	3	4
		18UBO2CL	C.Pr.1 - Plant Diversity I & II	2	40	60	100	3	2
		18UZO2AL	Allied. Pr. Zoology - I & II	2	20	30	50	3	2
	IV	18VED201	Value Education - Moral and Ethics**	2	-	50	50	3	2
	Total			30			575		21
III	I	18TML303	Part-I-Tamil-III /Hindi- III / French-III / Malayalam - III / Sanskrit - III	6	25	75	100	3	3
	II	18ENG303	Part - II -Lang. - English - III	6	25	75	100	3	3
	III	18UBO303	C.P. 3 - Microtechniques, Anatomy and Embryology of Angiosperms	5	25	75	100	3	4
		18UCH3A3	Allied - 3 - Chemistry - 1	5	20	55	75	3	4
			C. Pr. 2. - Microtechniques, Anatomy and Embryology of Angiosperms	2	-	-	-	-	-
			Allied - Pr. - Chemistry	2	-	-	-	-	-
	IV	18UGA3S1	Skill based subject -I General awareness	2	25	75	100	3	3
		18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil* / Advanced Tamil**/ Non Major Elective - Human Rights**	2	-	75	75	3	2
	Total			30			550		19
IV	I	18TML404	Part-I-Tamil-IV / Hindi-IV / French - IV/ Malayalam - IV / Sanskrit - IV	6	25	75	100	3	3
	II	18ENG404	Part-- II -Lang - English IV	6	25	75	100	3	3
	III	18UBO404	C.P.4 Biophysics and Biostatistics	5	25	75	100	3	4
		18UCH4A4	Allied 4 - Chemistry - 2	5	20	55	75	3	4

UBO2

		18UBO4CM	C. Pr.2.- Microtechniques, Anatomy, Embryology of Angiosperms, Biophysics & Biostatistics	2	40	60	100	3	2
		18UCH4AL	Allied Pr. Chemistry	2	20	30	50	3	2
	IV	18UBO4S2	Skill based subject-II Horticulture	2	25	75	100	3	3
		18TBT401/ 18TAT402 18UWR4N2	Basic Tamil*/ Advanced Tamil**/ Non Major Elective – Women’s Rights**	2	-	75	75	3	2
	Total			30			700		23
V	III	18UBO505	C.P. 5 - Fundamentals of Computer and Bioinformatics	4	25	75	100	3	4
		18UBO506	C.P. 6 - Taxonomy of Angiosperms and Economic Botany	4	25	75	100	3	5
		18UBO507	C.P.7 - Cytology, Genetics and Plant Breeding	4	25	75	100	3	5
		18UBO508	C.P. 8 - Plant Ecology, Phytogeography and Resource Conservation	4	25	75	100	3	5
		18UBO5E1	Elective - I	4	25	75	100	3	5
		18UBO5CN	C.Pr.3 - Fundamentals of Computer and Bioinformatics	4	40	60	100	3	2
			C.Pr. 4 - Taxonomy of Angiosperms, Economic Botany, Cytology, Genetics, Plant Breeding, Plant Ecology, Phytogeography and Resource Conservation	4	-	-	-	-	-
	IV	18UZO5X1/ 18UBC5X1/ 18UBT5X1	EDC - Extra Departmental course	2	25	75	100	3	3
		18UBO5IT	Internship Training	Grade****					
Total			30			700		29	
VI	III	18UBO609	C.P.9 - Biochemistry	5	25	75	100	3	4
		18UBO610	C.P.10 - Plant Physiology	5	25	75	100	3	5
		18UBO611	C.P.11- Microbiology and Plant Pathology	5	25	75	100	3	4
		18UBO6CO	C.Pr. 4- Taxonomy of Angiosperms, Economic Botany, Cytology, Genetics, Plant Breeding, Plant Ecology, Plant Phytogeography and Resource Conservation	-	40	60	100	3	2
		18UBO6CP	C. Pr. 5 - Biochemistry, Plant physiology, Microbiology and Plant Pathology	4	40	60	100	3	2
		18UBO6E2	Elective- II	5	25	75	100	3	5
		18UBO6Z1	Project***	4	20	80	100	-	5
		18UBO6S4	Skill based Subject-III- Cultivation and Marketing of Medicinal plants	2	25	75	100	3	3
		18NCC/NSS/ YRC /PYE101	Extension activity *	-	50	-	50	-	1
Total			30			850		31	
Grand Total			180			3800		140	

@ Hindi/Malayalam/ French/ Sanskrit - 13HIN/MLM/FRN/SAN101 - 202

* - No End-of-Semester Examinations. Only Continuous Internal Assessment (CIA)

** - No Continuous Internal Assessment (CIA). Only End-of-Semester Examinations (ESE)

*** - Project Report - 60 marks; Viva-voce - 20 marks; Internal - 20 marks

**** - The students shall undergo an Internship training/field work for a minimum period of 2 weeks at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the respective Faculty. According to their marks, the grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

Major Elective Papers

(2 papers are to be chosen from the following 6 papers)

1. Forestry
2. Biotechnology
3. Food science
4. Seed biology
5. Pharmacognosy
6. Medicinal plants

Non-Major Elective Papers

1. Human Rights
2. Women's Rights
3. Consumer affairs

List of Extra Departmental Course (EDC) papers

S. No.	Subject code	Title of the paper	Offering Department
1.	16UZO5X1	Ornamental Fishery Technology	Zoology
2.	17UBC5X1	Diagnostic Biochemistry	Biochemistry
3.	16UBT5X1	Life Style Biotechnology	Biotechnology

Note: In core/allied subjects, Number of papers both theory and practical are included wherever applicable. However, the total credits and marks for core/allied subjects remain the same as stated below.

UBO4

Tally Table:

S. No.	Part	Subject	Marks	Credits
1.	I	Language - Tamil/Hindi/Malayalam/ French/ Sanskrit	400	12
2.	II	English	400	12
3.	III	Core - Theory/Practical/Project	1700	65
		Allied	400	20
		Elective	200	10
4.	IV	Basic Tamil / Advanced Tamil (OR) Non-major elective	150	4
		Skill Based subject	300	9
		Environmental Studies	50	2
		Value Education	50	2
5.	V	Extra Departmental Course (EDC)	100	3
		Extension Activities	50	1
		Total	3800	140

Note :

- CBCS - Choice Based Credit System
- CIA - Continuous Internal Assessment
- ESE - End of Semester Examinations
- 25 % CIA is applicable to all theory subjects except JOC, COP and Diploma Courses, which are considered as extra credit courses.

Certificate Course

- **Bonsai**

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
	18CCB101	C.P.1- Introduction to Bonsai Principles and Techniques	2	25	75	100	3	2
	18CCB102	C.P.2- Ethics, Values and Marketing of Bonsai	2	25	75	100	3	2
	18CCB1CL	C.Pr.1. Bonsai Techniques	2	40	60	100	3	2
	18PDB2Z1	Project	2	20	80	100	3	2
		Grand Total	8			400		8

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN**K1** - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** - Evaluate**1. Theory Examination - Part I, II & III****(i) CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments & Record Work	50	60
K4		10	
K5			

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report & Viva voce	60	80
K4		20	
K5			

UBO6

Components of Continuous Internal Assessment (CIA)

Components			Marks	Total
Theory	CIA I	75	(75+75 = 150/10) 15	25
	CIA II	75		
Assignment / Seminar			5	
Attendance			5	
Practical				
	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project				
	Review		15	20
	Regularity		5	

UZO 1
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE – 641 029

Course Name: **B.Sc., ZOOLOGY**

Curriculum and Scheme of Examinations under CBCS

(Applicable to students Admitted from the Academic Year **2018 – 2019** and onwards)

Scheme of Examinations (With 4 Sem Language Papers)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
SEMESTER - I									
I	I	18TML101	Language I@	6	25	75	100	3	3
	II	18ENG101	English –I	6	25	75	100	3	3
	III	18UZO101	Core Paper 1–Non-Chordata	7	25	75	100	3	5
	III	18UZO1I1 18UBO1A1	Allied A Paper 1- Sericulture I / Botany I	5	20	55	75	3	4
			Core Practical. 1- Non Chordata and Chordata	2	-	-	-	-	-
			Allied Practical. 1. Sericulture	2	-	-	-	-	-
	IV	18EVS101	Environmental Studies**	2	-	50	50	3	2
			Total	30			425		17
SEMESTER - II									
II	I	18TML202	Language II@	6	25	75	100	3	3
	II	18ENG202	English –II	6	25	75	100	3	3
	III	18UZO202	Core Paper 2 –Chordata	7	25	75	100	3	5
	III	18UZO2I2 18UBO2A2	Allied A Paper 2- Sericulture II / Botany II	5	20	55	75	3	4
		18UZO2CL	Core Practical. 1- Non Chordata and Chordata	2	40	60	100	3	2
		18UZO2IL 18UBO2AL	Allied A Practical 1. Sericulture /Botany	2	20	30	50	3	2
	IV	18VED201	Value Education- Moral and Ethics **	2	-	50	50	3	2
			Total	30			575		21

UZO 2

SEMESTER - III									
III	I	18TML303	Language III@	6	25	75	100	3	3
	II	18ENG303	English –III	6	25	75	100	3	3
	III	18UZO303	Core Paper 3– Cell Biology	5	25	75	100	3	5
	III	18UBC 3A3	Allied B paper 1- Biochemistry	5	20	55	75	3	4
			Core Practical 2- Cell Biology and Physiology	2	-	-	-	-	-
			Allied B Practical 2. Biochemistry	2	-	-	-	-	-
	IV	18UGA3S1	Skill Based subject 1- General Awareness	2	25	75	100	3	3
	IV	18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**- Human rights	2	-	75	75	3	2
			Total	30			550		20
SEMESTER - IV									
IV	I	18TML404	Language IV@	6	25	75	100	3	3
	II	18ENG404	English –IV	6	25	75	100	3	3
	III	18UZO404	Core Paper 4– Physiology	5	25	75	100	3	5
	III	18UBC4A4	Allied B paper 2- Biochemistry	5	20	55	75	3	4
		18UZO4CM	Core Practical 2- Cell Biology and Physiology	2	40	60	100	3	2
		18UBC4AL	Allied B Practical-1. Biochemistry	2	20	30	50	3	2
	IV	18UZO4S2	Skill Based subject 2- Health education	2	25	75	100	3	3
	IV	18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**- Women's rights	2	-	75	75	3	2
			Total	30			700		24
SEMESTER - V									
v	III	18UZO505	Core Paper 5- Genetics	5	25	75	100	3	4
	III	18UZO506	Core Paper 6- Evolution	5	25	75	100	3	4
	III	18UZO507	Core Paper 7–Ecology	5	25	75	100	3	4
	III	18UZO508	Core Paper 8–Biostatistics, Biophysics and Bioinformatics	5	25	75	100	3	4

UZO 3

			Core Practical 3: Evolution, Microbiology and Immunology and Biotechnology	2	-	-	-	-	-
			Core Practical 4: Ecology, Developmental Biology and Animal Diversity	2	-	-	-	-	-
	III	18UZO5E1	Major Elective -1	4	25	75	100	3	5
	IV	18UBC/UBT/ UBO – 5X1	EDC-Extra Departmental Course	2	25	75	100	3	3
		18UZO5IT	Internship						Grade
			Total	30			600		24
SEMESTER - VI									
VI	III	18 UZO609	Core Paper 9 –Microbiology and Immunology	4	25	75	100	3	4
	III	18 UZO610	Core Paper 10 – Biotechnology	5	25	75	100	3	4
	III	18 UZO611	Core Paper 11 – Developmental Biology	5	25	75	100	3	4
	III	18 UZO612	Core Paper 12 – Biodiversity and Animal behaviour	4	25	75	100	3	4
		18UZO 6CN	Core Practical 3: Evolution, Microbiology and Immunology and Biotechnology	2	40	60	100	3	2
		18UZO 6CO	Core Practical 4: Ecology, Developmental Biology and Animal Diversity	2	40	60	100	3	2
	III	18UZO6E2	Major Elective 2	3	25	75	100	3	5
	III	18UZO6Z1	Project	3	20	80	100	3	5
	IV	18UZO6S4	Skill Based subject-3 Commercial fish culture	2	25	75	100	3	3
	V	\$\$	Extension Activities*	-	50	-	50	-	1
			Total	30			950		34
			Grand Total	180			3800		140

UBC-1
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
 Re-accredited by NAAC with 'A' Grade Status – 3.64 CGPA (3rd Cycle)
 College of Excellence (UGC)
 Coimbatore - 641029.Tamil Nadu, India
Course Name: B.Sc. Biochemistry
Curriculum and Scheme of Examination under CBCS
(Applicable to Students Admitted for the Academic Year 2018-2019)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	18TML101	Language I@	6	25	75	100	3	3
	II	18ENG101	English –I	6	25	75	100	3	3
	III	18UBC101	C.P.1 Chemistry of Biomolecules	7	25	75	100	3	6
		-	C. Pr. I - Biochemistry	2	-	-	-	-	-
		18UZO1A1	Allied A1- Zoology I	5	20	55	75	3	4
		-	A. Pr. 1 Zoology	2	-	-	-	-	-
	IV	18EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	18TML202	Language II@	6	25	75	100	3	3
	II	18ENG202	English –II	6	25	75	100	3	3
	III	18UBC202	C.P.2 Bioanalytical Techniques	7	25	75	100	3	6
		18UBC2CL	C.Pr. 1 Biochemistry	2	40	60	100	3	2
		18UZO2A2	Allied A. 2 Zoology II	5	20	55	75	3	4
		18UZO2AL	A. Pr. 1 Zoology	2	20	30	50	3	2
	IV	18VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
III	I	18TML303	Language III@	6	25	75	100	3	3
	II	18ENG303	English –III	6	25	75	100	3	3
	III	18UBC303	C. P. 3 – Enzymes and Enzyme Technology	4	25	75	100	3	5
		-	C.Pr. 2 Biochemistry	3	-	-	-	-	-
		18UCH3A3	Allied B. 1. Chemistry I	5	20	55	75	3	4
		-	A.Pr.2 Chemistry	2	-	-	-	-	-
	IV	18UGA3S1	Skill Based Subject 1- General Awareness	2	25	75	100	3	3
		18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil* Advanced Tamil** (OR) Non-Major Elective- I**	2	75		75	3	2
IV	I	18TML404	Language IV@	6	25	75	100	3	3
	II	18ENG404	English –IV	6	25	75	100	3	3
	III	18UBC404	C. P. 4 Intermediary Metabolism	4	25	75	100	3	4
		18UBC4CM	C. Pr.2. Biochemistry	3	40	60	100	3	2
		18UCH4A4	Allied B.2 Chemistry II	5	20	55	75	3	4
		18UCH4AL	A. Pr.2. Chemistry	2	20	30	50	3	2

UBC-2

	IV	18UBC4S2	Skill Based Subject 2- Common Human Diseases	2	25	75	100	3	3
		18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil*/ Advanced Tamil** (OR) Non-Major Elective- II**	2	75	75	75	3	2
V	III	18UBC505	C.P.5 Human Physiology	4	25	75	100	3	4
		18UBC506	C.P.6 Cell Biology	4	25	75	100	3	4
		18UBC507	C.P.7 Clinical Biochemistry	4	25	75	100	3	4
		18UBC508	C.P.8 Molecular Biology	4	25	75	100	3	4
	III	18UBC5E1	Major Elective I	4	25	75	100	3	5
	III	-	C.Pr.3. Biochemistry	4	-	-	-	-	-
		-	C.Pr.4. Biochemistry	2	-	-	-	-	-
		-	C.Pr.5. Biochemistry	2	-	-	-	-	-
	IV	18UBO/UZ O/ UBT5X1	Extra Departmental Course	2	25	75	100	3	3
	-	18UBC5IT	Internship Training	Grade ****					
VI	III	18UBC609	C.P.9 Plant Biochemistry	4	25	75	100	3	4
		18UBC610	C.P.10 Immunology and Immuno Techniques	4	25	75	100	3	4
		18UBC611	C.P.11 Genetic Technology	4	25	75	100	3	4
	III	18UBC6E2	Major Elective II -	4	25	75	100	3	5
		18UBC6Z1	Project ***	4	20	80	100	-	5
	III	18UBC6CN	C.Pr.3. Biochemistry	4	40	60	100	6	3
		18UBC6CO	C.Pr.4. Biochemistry	2	40	60	100	4	2
		18UBC6CP	C.Pr.5. Biochemistry	2	40	60	100	4	2
	IV	18UBC6S4	Skill Based Subject 4- Techniques in Genomics and Proteomics	2	25	75	100	3	3
	V	18NCC / NSS / YRC / PYE101	Extension Activities*	-	50	-	50	-	1
Total				180			3800		140

@

Hindi/Malayalam/ French/ Sanskrit – 18HIN/18MLM/18FRN/18SAN101 - 404 * -

No End-of-Semester Examinations. Only Continuous Internal Assessment (CIA) ** -

No Continuous Internal Assessment. Only End-of-Semester Examinations (ESE)

***- Project Report – 60 marks; Viva voce – 20 marks; Internal – 20 marks

****- The students shall undergo an Internship training/field work for minimum period of 2 weeks at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the respective faculty. According to their marks, the grades will be awarded as given below.

Marks%	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

UBC-3

Major Elective Papers

(2 papers are to be chosen from the following 6 papers)

1. Microbiology
2. Biotechnology
3. Advanced Clinical Biochemistry
4. Principles of Pharmacology
5. Basics of Bioinformatics
6. Dairy Biochemistry

Non-Major Elective Papers

1. Human Rights
2. Women's Rights
3. Consumer affairs

List of Extra Departmental Courses

1. 18UBO5X1 Medicinal botany
2. 18UZO5X1 Ornamental fish culture technology
3. 18UBT5X1 Molecular diagnostics

Certificate Course

1. Mushroom Technology

Tally Table:

S.No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/ French/ Sanskrit	400	12
2.	II	English	400	12
3.	III	Core – Theory/Practical/Project	1700	65
		Allied (4)	400	20
		Major Electives (2)	200	10
4.	IV	Basic Tamil / Advanced Tamil (OR) Non-major electives	150	4
		Skill Based subjects (4)	400	12
		Environmental Studies	50	2
		Value Education	50	2
5.	V	Extension Activities NCC/NSS/YRC/PYE	50	1
		Total	3800	140

Note :

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

UBC- 4

ESE – End of Semester Examinations

25 % CIA is applicable to all theory subjects except JOC, COP and Diploma Courses, which are considered as extra credit courses.

UBT01

**KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
COIMBATORE-641 029.**

B.Sc. BIOTECHNOLOGY

Curriculum & Scheme of Examination under CBCS

(Applicable to Students Admitted from the Academic Year 2018-2019 and onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction Hours / cycle	Exam. Marks			Duration of Exam. Hrs.	Credits
					CIA	ESE	Total		
I	I	18TML101@	Language I	6	25	75	100	3	3
	II	18ENG101	English I	6	25	75	100	3	3
	III	18UBT101	C.P.1 – Cellular Biology	6	25	75	100	3	5
		18UCH1A1	Allied - Paper 1: Chemistry – I	5	20	55	75	3	4
		18UBT2CL	C.Pr.1 – Lab. in Cellular Biology and Biochemistry	3	-	-	-	-	-
		18UCH1AL	Allied Pr.1 - Chemistry Practical	2	-	-	-	-	-
	IV	18EVS101	Environmental Studies*	2	95	50	50	3	2
	Total			30			425	-	17
II	I	18TML202@	Language II	6	25	75	100	3	3
	II	18ENG202	English II	6	25	75	100	3	3
	III	18UBT202	C.P.2 – Fundamentals of Biochemistry	6	25	75	100	3	5
		18UCH2A2	Allied - Paper 2: Chemistry – II	5	20	55	75	3	4
		18UBT2CL	C.Pr.1- Lab. in Cellular Biology and Biochemistry	3	40	60	100	4	3
		18UCH2AL	Allied Pr.1 - Chemistry Practical	2	20	30	50	3	2
	IV	18VED201	Value Education - Moral and Ethics*	2	-	50	50	3	2
	Total			30			575	-	22
III	I	18TML303@	Language III	6	25	75	100	3	3
	II	18ENG303	English III	6	25	75	100	3	3
	III	18UBT303	C.P.3 – Bioinstrumentation and Biophysics	4	25	75	100	3	4
		18UBT304	C.P.4 – Genetics	4	25	75	100	3	4
		18UBT3A3	Allied - Paper 3 : Basic Mathematics and Statistics	4	20	55	75	3	4
		18UBT4CM	C.Pr.2- Lab. in Bioinstrumentation, Genetics and Microbiology	2	-	-	-	-	-
	IV	18UGA3S1	Skill Based Subject: 1 General Awareness	2	25	75	100	3	3
		18TBT301/ 18TAT301/ 18UCA3N1	Basic Tamil* / Advanced Tamil** / Non Major Elective-I***	2	-	75	75	3	2
	Total			30			650	-	23
IV	I	18TML404@	Language	6	25	75	100	3	3
	II	18ENG404	English IV	6	25	75	100	3	3
	III	18UBT405	C.P.5 – Microbiology	4	25	75	100	3	4

UBT02

		18UBT4CM	C.Pr.2- Lab. in Bioinstrumentation, Genetics and Microbiology	3	40	60	100	4	3
		18UBT4A4	Allied - Paper 4 : C - Programming and Numerical Methods	5	20	55	75	3	4
		18UBT4AL	Allied Pr. 1 – Lab in C-Programming	2	20	30	50	3	2
	IV	18UBT4S2	Skill Based Subject: 2 – Clinical Lab Technology – I - Pathology	2	25	75	100	3	3
		18TBT402/ 18TAT402/ 18UCA4N1	Basic Tamil* / Advanced Tamil** / Non Major Elective - II***	2	-	75	75	3	2
	Total			30	-	-	700	-	24
V	III	18UBT506	C.P.6- Immunology	4	25	75	100	3	4
		18UBT507	C.P.7- Molecular Biology	4	25	75	100	3	4
		18UBT508	C.P.8- Recombinant DNA Technology	5	25	75	100	3	4
		18UBT509	C.P.9 - Animal Biotechnology	5	25	75	100	3	4
		18UBT5CN	C.Pr.3 – Lab. in Immunology, Molecular biology, Recombinant DNA Technology and Animal Biotechnology	5	40	60	100	4	3
		18UBT5E1	Major Elective - I	5	25	75	100	3	5
	IV	18UBO5X1/ 18UBC5X1/ 18UZO5X1	Extra Departmental Course (EDC) - 1	2	25	75	100	3	3
		18UBT5ST	Summer Internship ****	-	-	-	-	-	-
	Total			30	-	-	700	-	27
VI	IV	18UBT610	C.P.10 - Bioprocess technology	5	25	75	100	3	4
		18UBT611	C.P.11 - Plant Biotechnology	5	25	75	100	3	4
		18UBT612	C. P. 12–Genomics, Proteomics and Bioinformatics	5	25	75	100	3	4
		18UBT6CO	C.Pr.4- Lab. in Bioprocess technology, Plant Biotechnology and Bioinformatics	5	40	60	100	4	3
		18UBT6E2	Major Elective – II	5	25	75	100	3	5
		18UBT6Z1	Practicum and Viva - Voce****	3	20	80	100	3	3
	V	18UBT6S3	Skill Based Subject: 3 – Clinical Lab Technology – II – Hematology	2	25	75	100	3	3
		18UBT5SL	Skill Based Subject: 4 – Practical Clinical Lab Technology¥	-	-	-	-	-	-
	VI	18NSS101/ 18NCC101/ 18PYE101/ 18YRC101#	Extension Activities**	-	50	-	50	-	1
	Total			30	-	-	750	-	27
Grand Total				180			3800	-	140

@ French/Hindi/Malayalam/Sanskrit

* No End of Semester Examinations (ESE). Only Continuous Internal Assessment (CIA)

** No Continuous Internal Assessment (CIA). Only End of Semester Examinations (ESE)

*** Non Major Elective subjects; No CIA examination. Only ES Examinations

**** Practicum – 60 marks; Viva-voce – 20 marks; Internal – 20 marks

UBT03

**** The students shall undergo an Internship training/field work for a minimum period of 2 weeks at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the faculty members and HoD. According to their marks, the grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

Major Elective Papers (2 papers are to be chosen from the following 6 papers)

1. Research Methodology and Biostatistics
2. Nanobiotechnology and Intellectual Property Rights
3. Biodiversity and Environmental Biotechnology
4. Medical Biotechnology
5. Enzyme Technology
6. Developmental Biology

Non-Major Elective Papers

1. Human Rights
2. Women's Rights
3. Consumer Affairs

Skill Based Subjects

1. General Awareness (On-line Examination)
2. Clinical Lab Technology – I: Pathology
3. Clinical Lab Technology – II: Hematology
4. Practical: Clinical Lab Technology[¥]

[¥]The students shall attend the practical during fourth semester through the MoU signed between College and reputed Clinical laboratory and submit the practical record book and report. The report will be evaluated for 100 marks along with the internal viva voce by the faculty members and HoD. According to their marks, the grades will be awarded in the mark sheet as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

UBT04

List of Extra Departmental Courses (EDC)

S. No.	Subject code	Subject	Offering Department
1.	18UBC5X1	Diagnostic Biochemistry	Biochemistry
2.	18UBO5X1	Medicinal Botany	Botany
3.	18UZO5X1	Ornamental Fish Culture Technology	Zoology

Job Oriented Courses (JOC)

1. Medical Coding (18UBTJ1)

2. Agrobiotechnology (18UBTJ2)

Note: JOC which are offered at present will be applicable for the students admitted during the academic year 2018-2019 and will be considered as extra credit courses.

Tally Table:

S. No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/French/Sanskrit	400	12
2.	II	English	400	12
3.	III	Core – Theory/Practical/Project	1700	65
		Allied	400	20
		Electives	200	10
4.	IV	Basic Tamil/Advanced Tamil/Non-major elective	150	4
		Skill Based Subjects	300	9
		Extra Departmental Course (EDC)	100	3
		Environmental studies	50	2
		Value Education	50	2
5.	V	Extension Activities	50	1
Total			3800	140

Note: CBCS – Choice Based Credit System; CIA – Continuous Internal Assessment
ESE – End of Semester Examinations

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate

1. Theory Examination - Part I, II & III

(i) **CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

UBT05**(ii) CIA I & II and ESE: 55 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Practicum and Viva - Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10)	25
	CIA 2	75		
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Practicum	Review		15	20
	Regularity		5	

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE - 641 029.**

**B.Sc. COMPUTER SCIENCE
Curriculum and Scheme of Examination under CBCS**

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 & Onwards)

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	18TML1A1	Language 1@	6	25	75	100	3	3
	II	18ENG101	English I	6	25	75	100	3	3
	III	18UCS101	C.P.1 – COBOL Programming	4	25	75	100	3	4
		18UCS1CL	C.Pr.1 – COBOL Programming - Lab	6	40	60	100	3	2
		18UCS1A1	Allied 1 –Discrete Mathematics and Statistics	6	25	75	100	3	5
	IV	18EVS101	Environmental Studies **	2	-	50	50	3	2
	Total Instruction Hours			30			550		19
II	I	18TML2A2	Language II@	6	25	75	100	3	3
	II	18ENG202	English II	6	25	75	100	3	3
		18UCS202	C.P.2 - C Programming	4	25	75	100	3	4
		18UCS2CM	C.Pr.2 – C Programming - Lab	6	40	60	100	3	2
		18UCS2A2	Allied 2 –Operations Research	6	25	75	100	3	5
	IV	18VED201	Value Education – Moral and Ethics **	2	-	50	50	3	2
	Total Instruction Hours			30			550		19
III	III	18UCS303	C.P.3 - Computer Organization and Architecture	5	25	75	100	3	4
		18UCS304	C.P.4 – Database Management System	5	25	75	100	3	4
		18UCS305	C.P.5 -Object Oriented Programming with C++	5	25	75	100	3	5
		18UCS3CN	C.Pr.3 – Object Oriented Programming with C++ - Lab	6	40	60	100	3	2
		18UCS3A3	Allied 3 –Business Accounting	5	25	75	100	3	5
	IV	18UCS3S1	Skill Based Subject 1- (Web Programming - HTML, CSS, XML)	2	25	75	100	3	3
		18TBT301 / 18TAT301 / 18UHR3N1	Basic Tamil */ Advanced Tamil **/ Non-Major Elective 1**	2	—	75	75	3	2
	Total Instruction Hours			30			675		25

IV	III	18UCS406	C.P.6 – Operating Systems	5	25	75	100	3	4	
		18UCS407	C.P.7 – Data Structures	5	25	75	100	3	4	
		18UCS408	C.P.8 – Visual Basic and Oracle	5	25	75	100	3	5	
		18UCS4CO	C.Pr.4 – Visual Basic and Oracle Lab	6	40	60	100	3	2	
	IV	18UCS4A4	Allied 4 –Microprocessors, PC – Hardware and Interfacing	5	25	75	100	3	5	
		18UCS4SL	Skill Based Subject 2 - (Web Programming Lab - HTML, CSS, XML)	2	40	60	100	3	3	
		18T BT402 / 18T AT402 / 18UWR4N2	Basic Tamil*/ Advanced Tamil** / Non-Major Elective 2**	2	—	75	75	3	2	
	Total Instruction Hours			30			675		25	
V	III	18UCS509	C.P.9 – Software Engineering and Testing	6	25	75	100	3	4	
		18UCS510	C.P.10 – Java Programming	5	25	75	100	3	5	
		18UCS5CP	C.Pr.5 – Java Programming -Lab	6	40	60	100	3	2	
		18UCS511	C.P.11 – Computer Networks	6	25	75	100	3	4	
		18UCS5E1	Major Elective I	5	25	75	100	3	5	
	IV	18UCS5S2	Skill Based Subject 3 – (Web Programming – Java Script, VB Script and ASP)	2	25	75	100	3	3	
	Total Instruction Hours			30			600		23	
	VI	III	18UCS612	C.P.12 – Software Project Management	4	25	75	100	3	4
18UCS613			C.P.13 – Python Programming	4	25	75	100	3	5	
18UCS6CQ			C.Pr.6 – Python Programming Lab	6	40	60	100	3	2	
18UCS614			C.P.14 – Information Security	5	25	75	100	3	5	
18UCS6E2			Major Elective II	5	25	75	100	3	5	
18UCS6Z1			Project Work and Viva-Voce ***	4	20	80	100	3	4	
IV		18UCS6SM	Skill Based Subject 4 – (Web Programming Lab – Java Script, VB Script and ASP)	2	40	60	100	3	3	
Total Instruction Hours			30			700		28		
Part V		\$\$	Extension Activities *		-	50	-	50	-	1
			GRAND TOTAL		180			3800		140

@ Hindi/Malayalam/French/Sanskrit

* No End-Of-Semester Examinations. Only Continuous Internal Assessment(CIA)

** No Continuous Internal Assessment (CIA). Only End-Of-Semester Examinations

*** Project Report – 60 marks; Viva Voce -20 marks; Internal – 20 marks

\$\$ NCC / NSS / YRC / PYE / RRC / WEC / ECC

Note: In core/ allied subjects, paper numbers in both theory and practicals are included wherever applicable. However, the total credits and marks for core/allied subjects remain the same as stated below.

Tally Table:

S.No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/ French/ Sanskrit	200	6
2.	II	English	200	6
3.	III	Core – Theory/Practical/Project	2100	77
		Allied	400	20
		Electives	200	10
4.	IV	Basic Tamil / Advanced Tamil (OR) Non-major elective	150	4
		Skill Based subject	400	12
		Environmental Studies	50	2
		Value Education	50	2
5.	V	Extension Activities	50	1
		Total	3800	140

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

ELECTIVE PAPERS:

1. Systems Software
2. Soft Computing
3. Client/Server Techniques
4. Cloud Computing
5. Artificial Intelligence
6. Data Mining and Warehousing

Any two papers will be selected by the students - one in V semester and one in VI semester.

NON-MAJOR ELECTIVE:

1. Human Rights
2. Women's Rights
3. Consumer Affairs

Note :

- CBCS – Choice Based Credit system
- CIA – Continuous Internal Assessment
- ESE – End of Semester Examinations

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN**K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate****1. Theory Examination - Part I, II & III****(i) CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10)	25
	CIA 2	75		
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

BACHELOR OF COMPUTER APPLICATIONS [BCA]**CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS**

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2018-2019] onwards

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	18TML1A1	Lan - Tamil I/Hindi I/French I/ Malayalam I/ Sanskrit I	6	25	75	100	3	3
	II	18ENG101	Lan - English I	6	25	75	100	3	3
	III	18UCA101	C.P.1: – C Programming	5	25	75	100	3	4
		18UCA1CL	C.Pr .1: – C Programming Lab	5	40	60	100	3	2
		18UCA1A1	Allied 1:–Business Accounting	6	25	75	100	3	5
	IV	18EVS101	Enviromental Studies **	2	-	50	50	3	2
TOTAL HOURS				30	-	-	-	-	19
II	I	18TML2A2	Lan - Tamil II/Hindi II/ FrenchII/MalayalamII/ Sanskrit II	6	25	75	100	3	3
	II	18ENG202	Lan - English II	6	25	75	100	3	3
	III	18UCA202	C.P. 2: Object Oriented Programming with C++	4	25	75	100	3	4
		18UCA203	C.P. 3: – Digital Fundamentals and Computer Organization	3	25	75	100	3	4
		18UCA2CM	C.Pr .2:– Object Oriented Programming with C++ - Lab	3	40	60	100	3	2
		18UCA2A2	Allied 2:– Computer Oriented Numerical and Statistical methods	6	25	75	100	3	5
	IV	18VED201	Value Education - Moral & Ethics**	2	-	50	50	3	2
TOTAL HOURS				30	-	-	-	-	23
III	III	18UCA304	C.P.4: – Operating Systems	5	25	75	100	3	4
		18UCA305	C.P. 5: – Data Structures and Algorithms	5	25	75	100	3	4
		18UCA306	C.P 6: – Relational Database Management Systems	5	25	75	100	3	4
		18UCA3CN	C.Pr .3:– Relational Database Management Systems -Lab	5	40	60	100	3	2
		18UCA3A3	Allied 3:– Operations Research.	6	25	75	100	3	5

	IV	18UCA3S1	Skill Based Subject 1: Python Programming-I	2	25	75	100	3	3
		18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil*/ Adv.Tamil **/ Non major Elective –Human Rights	2	-	75	75	3	2
TOTAL HOURS				30	-	-	-	-	26
IV	III	18UCA407	C.P 7:– Software Engineering	5	25	75	100	3	4
		18UCA408	C.P 8: – Computer Networks	5	25	75	100	3	4
		18UCA409	C.P 9: – Advanced JAVA	5	25	75	100	3	5
		18UCA4CO	C.Pr .4: – :- Advanced JAVA – Lab	5	40	60	100	3	2
		18UCA4A4	Allied 4: -Organizational Behavior and Marketing	6	25	75	100	3	5
	IV	18UCA4SL	Skill Based Subject 2: Python Programming Lab-I	2	40	60	100	3	3
		18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil*/Adv.Tamil**/ Non major Elective –Women’s Rights	2	-	75	75	3	2
TOTAL HOURS				30	-	-	-	-	25
V	III	18UCA510	C.P 10:– Visual Basic and .NET	6	25	75	100	3	5
		18UCA511	C.P 11: – Android Programming	6	25	75	100	3	5
		18UCA512	C.P 12: – Data Mining	5	25	75	100	3	5
		18UCA5E1	Elective Paper I	6	25	75	100	3	5
		18UCA5CP	C.Pr .5 – Visual Basic and .NET Lab	5	40	60	100	3	2
	IV	18UCA5S2	Skill Based Subject 3: Python Programming-II	2	25	75	100	3	3
TOTAL HOURS				30	-	-	-	-	25
VI	III	18UCA6E2	Elective Paper II	6	25	75	100	3	5
		18UCA613	C.P. 13: - Web Designing	6	25	75	100	3	4
		18UCA614	C.P.14:- Information Security	6	25	75	100	3	5
		18UCA6CQ	C.Pr. 6: - Web designing Lab	6	40	60	100	3	2
		18UCA6Z1	Project Work & Viva-Voce	4	20	80*	100	3	4
	IV	18UCA6SM	Skill Based Subject 4: Python Programming Lab-II	2	40	60	100	-	3
TOTAL HOURS				30	-	-	-	-	23
Part V		18NCC/NSS/ YRC/PYE101	Extension activity (NSS,NCC,PE,YRC) *	-	50 (CIA only)	-	50	-	1

@Hindi - 18HIN101/202
 @French - 18FRN101/202
 @Malayalam - 18MLM101/202
 @Sanskrit - 18SAN101/202

\$\$NCC – 18NCC101
 NSS – 18NSS101
 Sports – 18PYE101
 YRC – 0YRC101
 PYE- 18P4E101

***No end –of- Semester Examinations – Only CIA.**

**** No CIA – Only end- of –Semester Examinations.**

Project Record 80 Marks; Viva-Voce 20 Marks. Evaluated both Internal and External Examiners jointly.

1. Major Elective Papers:

- 1) Software Project Management
- 2) Case Tools and Concepts
- 3) Software Testing
- 4) Principles of Compiler Design.

Break up Marks for CIA of Theory

CIA Exam	-	15
Assignment	-	5
Attendance	-	5
Total		25

2.Components of Practical:

Break up Marks for CIA of Practical

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	5
Total		40

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
Total		60

3.Component for Project:

CIA / ESE	Particulars	Project Out of 100 Marks (UG)
CIA	Project Review	15
	Regularity	5
	Total Internal Marks	20
*ESE	Project Report Present	60
	Viva Voce	20
	Total External Marks	80
Total Marks(CIA+ESE)		100

*** Project report and Viva voce will be evaluated jointly by both the Project Supervisor (faculty of the Department) and an External Examiner.**

Non-Major Elective papers:

- 1. Human Rights**
- 2. Women's Rights**
- 3. Consumer Affairs**

Part-wise Total Marks /Credits:

Part I	Lan – Tamil/Hindi/French/Malayalam/Sanskrit	200	200	6
Part II	Lan – English	200	200	6
Part III	Core /Lab/Project Allied Elective	2000 400 300	2700	72 20 15
Part IV	Basic Tamil/Adv.Tamil/Non-Elective Major	150	650	4
	Skill Based subject	400		12
	Environmental Studies	50		2
	Value Education	50		2
Part V	Extension Activities	50	50	1
Grand Total Marks / Credits		3800	3800	140

Note:

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End –of- Semester Examination

25% CIA is applicable to all subjects except JOC,COP and Diploma Courses, which are considered as extra credit courses.

➤ **Students can select any one paper from each Elective Group.**

UCT -1

**KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]
COIMBATORE - 641 029
B.Sc COMPUTER TECHNOLOGY [B.Sc CT]**

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

**[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2018-2019
& ONWARDS]**

Semester	Part	Subject Code	Title of the Paper	Instruction Hours /	Exam. Marks			Duration of Exam(Hours)	Credits
					CIA	ESE	Total		
I	I	18TML1A1	Language I @	6	25	75	100	3	3
	II	18ENG101	English I	6	25	75	100	3	3
	III	18UCT101	C.P.1 C Programming	5	25	75	100	3	4
		18UCT1CL	C.Pr.1 C Programming Lab	5	40	60	100	3	2
		18UCT1A1	Allied 1 - Discrete Mathematics and Statistics	6	25	75	100	3	5
	IV	18EVS101	Environmental Studies **	2	-	50	50	3	2
Total				30			550		19
II	I	18TML2A2	Language II @	6	25	75	100	3	3
	II	18ENG202	English II	6	25	75	100	3	3
	III	18UCT202	C.P.2 Digital Fundamentals and Computer Organization	4	25	75	100	3	4
		18UCT203	C.P.3 Object Oriented Programming with C++	3	25	75	100	3	4
		18UCT2CM	C.Pr.2 C++ Programming Lab	3	40	60	100	3	2
		18UCT2A2	Allied 2 – Operations Research	6	25	75	100	3	5
	IV	18VED201	Value Based Education ** (Moral and Ethics)	2	-	50	50	3	2
Total				30			650		23
III	III	18UCT304	C.P.4 Operating Systems	5	25	75	100	3	4
		18UCT305	C.P.5 Data Structures and Analysis of Algorithms	5	25	75	100	3	4
		18UCT306	C.P.6 Java Programming	5	25	75	100	3	4
		18UCT3CN	C.Pr.3 Java Programming Lab	5	40	60	100	3	2
		18UCT3A3	Allied 3 – Business Accounting	6	25	75	100	3	5

UCT -2

	IV	18UCT3S1	Skill Based Subject 1 -Computer Installation & Servicing	2	25	75	100	3	3
		18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil*/Advanced Tamil**/(or) Non Major Elective I **	2	-	75	75	3	2
Total				30			675		24
IV	III	18UCT407	C.P.7 Relational Database Management Systems	5	25	75	100	3	4
		18UCT408	C.P.8 .NET Framework	4	25	75	100	3	4
		18UCT409	C.P.9 Computer Networks	5	25	75	100	3	4
		18UCT4CO	C.Pr.4.NET Framework and Oracle Lab	6	40	60	100	3	2
		18UCT4A4	Allied 4 - Microprocessors, PC Hardware & Interfacing	6	25	75	100	3	5
	IV	18UCT4SL	Skill Based Subject 2 -Computer Installation & Servicing Lab	2	40	60	100	3	3
		18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil*/Advanced Tamil**/(or) Non Major Elective II**	2	-	75	75	3	2
Total				30			675		24
V	III	18UCT510	C.P.10 Software Engineering and Testing	5	25	75	100	3	5
		18UCT511	C.P.11 Mobile Computing	5	25	75	100	3	5
		18UCT512	C.P.12 Data Mining and Warehousing	6	25	75	100	3	5
		18UCT5E1	Elective Paper - I	6	25	75	100	3	5
		18UCT5CP	C.Pr.5 Software Testing Lab	6	40	60	100	3	2
	IV	18UCT3S2	Skill Based Subject 3 - Open Source Technology - Linux	2	25	75	100	3	3
		18UCT5SP	Aptitude and Logical Reasoning	Grade ****					
Total				30			600		25
VI	III	18UCT613	C.P.13 PHP	6	25	75	100	3	5
		18UCT614	C.P.14 Information Security	6	25	75	100	3	5
		18UCT6E2	Elective Paper - II	6	25	75	100	3	5
		18UCT6CQ	C.Pr.6 Programming Lab-PHP	6	40	60	100	3	2
		18UCT6Z1	Project Work & Viva – Voce***	4	20	80	100	3	4
	IV	18UCT6SM	Skill Based Subject 4 - Shell Programming Lab	2	40	60	100	3	3

UCT -3

	V	18NCC/NSS/ YRC/ PYE101	Extension Activities*	-	50	-	50	-	1
Total				30			650		25
Grand Total							3800		140

@ Tamil/Hindi/French/Malayalam/Sanskrit

* No End-of-Semester Examinations. Only Continuous Internal Assessment (CIA)

** No Continuous Internal Assessment (CIA). Only End-of-Semester Examinations (ESE).

*** Project Report- 60 Marks; Viva-Voce-20 Marks; Internal-20 Marks.

**** Aptitude and Logical Reasoning: The Written examination will be conducted and evaluated for 100 marks. According to their marks, the grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

Major Elective Papers

(Two papers are to be chosen from the following six papers)

1. Network Security
2. Cloud Computing
3. System Software
4. Client/Server Techniques
5. Artificial Intelligence
6. Analysis and Design of Information Systems

Non-Major Elective Papers

1. Human Rights
2. Women's Rights
3. Consumer Affairs

UCT -4**Tally Table:**

S.No.	PART	SUBJECT	MARKS	TOTAL MARKS	CREDITS
1.	Part I	Language - Tamil/Hindi/French/Malayalam/Sanskrit	200	200	6
2.	Part II	English	200	200	6
3.	Part III	Core- Theory/Practical/Project	2100	2700	77
		Allied	400		20
		Major Electives	200		10
4.	Part IV	Basic Tamil / Advanced Tamil (or) Non Major Elective	150	650	4
		Skill Based Subjects	400		12
		Environmental Studies	50		2
		Value Education	50		2
5.	Part V	Extension Activities (NSS / NCC / YRC / PYE)	50	50	1
	TOTAL			3800	140

Note:**CBCS** – Choice Based Credit System**NCC** – National Cadet Corps .**NSS** – National Service Scheme**YRC** – Youth Red Cross**ESE** – End Semester Examination**CIA** – Continuous Internal

Assessment

25% CIA is applicable to all theory subjects except JOC and COP Courses, which are considered as extra credit courses.

UCT -5**BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN****K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate****1. Theory Examination - Part I, II & III****(i) CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments Record Work	50	60
K4		10	
K5			

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

UCT -6

Components of Continuous Internal Assessment (CIA)

CIA Theory (25 Marks)	Practical		Project	
	CIA Practical (40 Marks)	ESE Practical (60 Marks)	CIA (20 Marks)	ESE# (80 Marks)
CIA Exam -15	CIA Practical Exam -25	Experiment -50	Project Review -15	Project Report Present - 60
Assignment-5	Observation -10	Record -10	Attendance -5	Viva-Voce -20
Attendance-5	Attendance - 5			

Project Report and Viva-Voce will be evaluated jointly by both the project guide and an external examiner.

UIT - 1

KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]

COIMBATORE - 641 029

B.Sc INFORMATION TECHNOLOGY [BSC IT]

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO THE STUDENTS ADMITTED DURING THE

ACADEMIC YEAR 2018-2019 & ONWARDS]

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam (hrs)	Credits
					CIA	ESE	Total		
I	I	18TML1A1	Language I@	6	25	75	100	3	3
	II	18ENG101	English - I	6	25	75	100	3	3
	III	18UIT101	Core Paper I – C Programming	5	25	75	100	3	5
		18UIT1CL	Core Practical I – Programming Lab - C	5	40	60	100	3	2
		18UIT1A1	Allied I - Mathematical Foundations for Computer Science	6	25	75	100	3	5
	IV	18EVS101	Environmental Studies **	2	-	50	50	3	2
	Total			30			550		20
II	I	18TML2A2	Language II@	6	25	75	100	3	3
	II	18ENG202	Language - English II	6	25	75	100	3	3
	III	18UIT202	Core Paper II - Computer Organization and Architecture	4	25	75	100	3	4
		18UIT203	Core Paper III - Object Oriented Programming with C++	3	25	75	100	3	5
		18UIT2CM	Core Practical II - Programming Lab - C++	3	40	60	100	3	2
		18UIT2A2	Allied II- Computer Oriented Numerical and Statistical Methods	6	25	75	100	3	5
	IV	18VED201	Value Education - Moral and Ethics **	2	-	50	50	3	2
	Total			30			650		24
III	III	18UIT304	Core Paper IV – Data Structures and Algorithms	5	25	75	100	3	4
		18UIT305	Core Paper V – Relational Database Management System and ORACLE	5	25	75	100	3	4
		18UIT306	Core Paper VI – JAVA Programming	5	25	75	100	3	5
		18UIT3CN	Core Practical III - Programming Lab – JAVA & ORACLE	5	40	60	100	3	2
		18UIT3A3	Allied III - Business Accounting	6	25	75	100	3	5
	IV	18UIT3S1	Skill Based Subject 1 – Python Programming I	2	25	75	100	3	3

UIT - 2

		18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil * / Advanced Tamil **/ Non-Major Elective – I ** (Human Rights)	2	-	75	75	3	2
		Total		30			675		25
IV	III	18UIT407	Core Paper VII – Operating Systems	5	25	75	100	3	4
		18UIT408	Core Paper VIII – Visual Basic .NET	5	25	75	100	3	5
		18UIT409	Core Paper IX – Principles of Data Communications and Network	5	25	75	100	3	4
		18UIT4CO	Core Practical IV – Programming Lab – VB.Net	5	40	60	100	3	2
		18UIT4A4	Allied IV – Microprocessors, PC Hardware and Interfacing	6	25	75	100	3	5
	IV	18UIT4SL	Skill Based Subject 2 (Practical) Python Programming Lab I	2	40	60	100	3	3
		18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil */ Advanced Tamil **/ Non-Major Elective – II ** (Women's Rights)	2	-	75	75	3	2
		Total		30			675		25
V	III	18UIT510	Core Paper X – Client/Server Computing	6	25	75	100	3	4
		18UIT511	Core Paper XI – Software Engineering	6	25	75	100	3	4
		18UIT512	Core Paper XII – Mobile Computing	6	25	75	100	3	4
		18UIT5CP	Core Practical V – Software Testing Lab	5	40	60	100	3	2
		18UIT5E1	Major Elective I	5	25	75	100	3	5
	IV	18UIT5S2	Skill Based Subject 3- Python Programming II	2	25	75	100	3	3
		Total		30			600		22
VI	III	187UIT613	Core Paper XIII – Open Source Tools	6	25	75	100	3	5
		18UIT614	Core Paper XIV - Information Security	6	25	75	100	3	4
		18UIT6CQ	Core Practical VI – Programming Lab PHP	5	40	60	100	3	2
		18UIT6E2	Major Elective II	5	25	75	100	3	5
		18UIT6Z1	Project***	6	20	80	100	3	4
	IV	18UIT6SM	Skill Based Subject 4 (Practical) Python Programming Lab-II	2	40	60	100	3	3
	V	\$\$	Extension Activities *	-	50	-	50	-	1
		Total		30			650		24
		Grand Total					3800	-	140

UIT - 3

@ Hindi/Malayalam/ French/ Sanskrit – 15HIN/MLM/FRN/SAN101 - 202

* No End-of-Semester Examinations. Only Continuous Internal Assessment (CIA)

** No Continuous Internal Assessment (CIA). Only End-of-Semester Examinations (ESE)

*** Project Report – 60 marks; Viva voce – 20 marks; Internal-20 marks

Major Elective Papers

Elective I

1. Embedded Systems
2. Network Security & Administration
3. Object Oriented Analysis And Design(using UML)

Elective II

1. E-Commerce
2. Cloud Computing
3. Data Mining

Non - Major Elective Papers

1. Human Rights
2. Women's Rights
3. Consumer Affairs

Note: In core/ allied subjects, no. of papers both theory and practical are included wherever applicable. However, the total credits and marks for core/allied subjects remain the same as stated below.

Tally Table:

S.NO	PART	SUBJECT	MARKS	CREDITS
1.	I	Language – Tamil/Hindi/French/Malayalam/Sanskrit	200	6
2.	II	English	200	6
3.	III	Core – Theory / Practical / Project	2100	77
		Allied	400	20
		Electives	200	10
4.	IV	Basic Tamil / Advanced Tamil / Non – Major elective	150	4
		Skill Based Subject	400	12
		Environmental Studies	50	2
		Value Education	50	2
5.	V	Extension Activities (NSS/NCC/Sports/YRC)	50	1
		Total	3800	140

Note :

CBCS – Choice Based Credit system

CIA – Continuous Internal Assessment

ESE – End of Semester Examinations

25 % CIA is applicable to all subjects except JOC, COP and Diploma Courses, which are considered as extra credit courses.

UIT - 4

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate

1. Theory Examination - Part I, II & III

(i) CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

Components of Continuous Internal Assessment

Components	Marks	Total
Theory CIA 1	75	25
CIA 2	75	
Assignment/Seminar	5	
Attendance	5	
Practical CIA Practical	25	40
Observation Notebook	10	
Attendance	5	
Project Review	15	20
Regularity	5	

UIT - 5

**QUESTION PAPER PATTERN for CIA and ESE
B.Sc Information Technology**

Theory

Max Marks: 75

Time: 3Hrs

Section A (10 x 1 = 10 marks)

Q.No. 1 to 10 : Multiple choice type alone with four distractors each.

Section B (5 x 5 = 25 marks)

Q.No. 11 to 15 : Either or / short notes type questions (one question 'a' or 'b' from each unit).

Section C (5 x 8 = 40 marks)

Q.No. 16 to 20 : Either or / essay type questions (one question 'a' or 'b' from each unit).

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COIMBATORE-641 029

B.Com

UCM 1

CURRICULUM AND SCHEME OF EXAMINATIONS

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 AND ONWARDS)

Semester	Part	Subject Code	Title of the Paper	Instruction Hours/cycle	Exam. Marks			Duration of Exam. Hrs.	Credits
					CIA	ES E	Total		
I	I	18TML1A1	Language I@	6	25	75	100	3	3
	II	18ENG101	English -I	6	25	75	100	3	3
	III	18UCM101	Core Paper 1 - Fundamentals of Financial Accounting	6	25	75	100	3	5
	III	18UCM102	Core Paper 2 - Business Organization	4	25	75	100	3	3
	III	18UCM1A1	Allied Paper 1– Business Economics	6	25	75	100	3	5
	IV	18EVS101	Environmental Studies**	2	-	50	50	3	2
	Total			30			550	-	21
II	I	18TML2A2	Language II@	6	25	75	100	3	3
	II	18ENG202	English –II	6	25	75	100	3	3
	III	18UCM203	Core Paper 3 - Financial Accounting	6	25	75	100	3	5
	III	18UCM204	Core Paper 4 – Modern Banking	4	25	75	100	3	3
	III	18UCM2A2	Allied Paper 2- International Trade	6	25	75	100	3	5
	IV	18VED201	Value Education- Moral and Ethics **	2	-	50	50	3	2
	Total			30			550	-	21
III	III	18UCM305	Core Paper 5 - Higher Financial Accounting	6	25	75	100	3	5
	III	18UCM306	Core Paper 6–Principles of Management	5	25	75	100	3	3
	III	18UCM307	Core Paper 7 - Commercial Law	5	25	75	100	3	3
	III	18UCM308	Core Paper 8 - Marketing	4	25	75	100	3	3
	III	18UCM3A3	Allied Paper 3- Business Mathematics	6	25	75	100	3	5
	IV	18UCM3SL	Skill Based subject 1- Computer Applications (MS-Word and MS-Excel)- Practical –I	2	40	60	100	3	3
	IV	18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**	2			75	3	2
	-	18UCM3IT	Institutional Training****	Grade****					
	Total			30			675	-	24

IV	III	18UCM409	Core Paper 9 - Corporate Accounting	6	25	75	100	3	5
	III	18UCM410	Core Paper 10 -Company Law	5	25	75	100	3	3
	III	18UCM411	Core Paper 11 - Financial Management	5	25	75	100	3	3
	III	18UCM412	Core Paper 12 - Business Communication	4	25	75	100	3	3
	III	18UCM4A4	Allied Paper 4- Business Statistics	6	25	75	100	3	5
	IV	18UCM4SM	Skill Based subject 2- Computer Applications (MS- Power point and MS- Access)- Practical –II	2	40	60	100	3	3
	IV	18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**	2			75	3	2
	Total			30			675	-	24
V	III	18UCM513	Core Paper 13 -Higher Corporate Accounting	6	25	75	100	3	5
	III	18UCM514	Core Paper 14 - Cost Accounting	6	25	75	100	3	4
	III	18UCM515	Core Paper 15 - Direct Tax	6	25	75	100	3	4
	III	18UCM516	Core Paper 16 – Financial Markets and Services	5	40	60	100	3	3
	III	18UCM5E1	Major Elective Paper 1	5	25	75	100	3	5
	IV	18UCM5SN	Skill Based subject 3- Computer Applications (Tally & Internet)-Practical –III	2	40	60	100	3	3
		18UCM5SP	Summer Project *****	Grade*****					
	Total			30			600	-	24
VI	III	18UCM617	Core Paper 17 -Management Accounting	5	25	75	100	3	4
	III	18UCM618	Core Paper 18 – Indirect Tax	4	25	75	100	3	3
	III	18UCM619	Core Paper 19 - Auditing	4	25	75	100	3	3
	III	18UCM620	Core Paper 20 –Entrepreneurial Development	4	25	75	100	3	2
	III	18UCM6Z1	Project and Viva Voce***	6	20	80	100	-	5
	III	18UCM6E2	Major Elective Paper 2	5	25	75	100	3	5
	IV	18UCM6SO	Skill Based subject 4 - Computer Applications (Tally & Internet)-Practical –IV	2	40	60	100	3	3
	V	\$\$	Extension Activities	-	50	-	50	-	1
	Total			30			750	-	26
	Total			180			3800		140

UCM 3

@ French/Hindi/Malayalam/Sanskrit

* No End of Semester Examinations (ESE). Only Continuous Internal Assessment (CIA).

** No Continuous Internal Assessment (CIA). Only End of Semester Examinations (ESE).

*** Project Report – 60 marks; Viva-voce – 20 marks; Internal – 20 marks

\$\$ 18 NCC/NSS/YRC/PYE/RRC/WEC/ECC 101

**** The students shall undergo an Internship training/field work for a minimum period of 2 weeks at the end of the second semester during summer vacation and submit the report in the third semester. The report will be evaluated for 100 marks along with the internal viva voce by the respective faculty. According to their marks, the grades will be awarded as given below.

***** The students shall undergo for summer Project (like collection and fill up various forms of Banks, Tax, Export documents etc) at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the respective Faculty. According to their marks, the grades will be awarded as given below

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

Major Elective Papers (2 papers are to be chosen from the following 6 papers)

Major Elective Papers (can choose any one of the paper as elective)	
1	Business Research Methods
2	Security Analysis and Portfolio Management
3	Business Environment
4	Human Resource Management
5	Consumer Affairs
6	Brand Management

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

UCM 4

Tally Table

S.No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/ French/ Sanskrit	200	6
2.	II	English	200	6
3.	III	Core – Theory/Project	2100	77
		Allied (4)	400	20
		Major Electives (2)	200	10
4.	IV	Basic Tamil / Advanced Tamil (OR) Non-major electives	150	4
		Skill Based subjects (4)	400	12
		Environmental Studies	50	2
		Value Education	50	2
5.	V	Extension Activities	50	1
		Total	3800	140

Note:

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End of Semester Examinations

25 % CIA is applicable to all theory subjects except JOC and COP Courses, which are considered as extra credit courses.

UCM 5

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate

1. Theory Examination - Part I, II & III

(i) CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive/ Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

UCM 6

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10) 15	25
	CIA 2	75		
Assignment/Seminar			5	
Attendance			5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 AND ONWARDS)

Semester	Part	Subject Code	Title of the Paper	Instruction Hours/Cycle	Exam. Marks			Duration of Exam. (Hrs)	Credits
					CIA	ESE	Total		
I	I	18TML1A1@	Lan - Tamil I/Hindi I/ French I/ Malayalam I/ Sanskrit I	6	25	75	100	3	3
	II	18ENG101	Lan - English I	6	25	75	100	3	3
	III	18UCC101	C. P. 1 - Principles of Accountancy	4	25	75	100	3	3
		18UCC102	C.P. 2 - Introduction to Information Technology	4	25	75	100	3	3
		18UCC1A1	ALLIED PAPER. 1 - Business Mathematics	6	25	75	100	3	5
		18UCC1CL	C.Pr. 1 - Computer Applications I - MS Office	2	20	30	50	3	1
	IV	18EVS101	Environmental Studies**	2	-	50	50	3	2
			Total	30			600		20
II	I	18TML2A2@	Lan - Tamil II/Hindi II/French II/ Malayalam II/Sanskrit II	6	25	75	100	3	3
	II	18ENG202	Lan - English II	6	25	75	100	3	3
	III	18UCC203	C.P. 3 - Financial Accounting	4	25	75	100	3	3
		18UCC204	C.P.4 - Indian Banking system	4	25	75	100	3	3
		18UCC2A2	ALLIED PAPER. 2 - Business Statistics	6	25	75	100	3	5
		18UCC2CM	C. Pr.2 -Computer Applications II - Accounting Package Tally	2	20	30	50	3	1
	IV	18VED201	Value Education - Moral & Ethics**	2	-	50	50	3	2
			Total	30			600		20
III	III	18UCC305	C.P.5 - Cost Accounting	6	25	75	100	3	5
		18UCC306	C.P. 6 - Direct Tax & GST	6	25	75	100	3	5
		18UCC307	C.P. 7- Database Management Systems	5	25	75	100	3	4
		18UCC3A3	ALLIED PAPER. 3 - Principles of Marketing	5	25	75	100	3	5
		18UCC3CN	C.Pr.3 -Computer Applications III - SQL	4	40	60	100	3	2
	IV	18UCC3S1	Skill based subject 1 - Managerial Economics	2	25	75	100	3	3
		18TBT301/ 18TAT301/ 18UHR 3N1	Basic Tamil*/Advanced Tamil**/ Non major Elective-I** Human Rights	2	-	75	75	3	2
			Total	30			675		26

IV	III	18UCC408	C.P. 8- Corporate Accounting	6	25	75	100	3	5
		18UCC409	C.P. 9- Principles of Auditing	5	25	75	100	3	4
		18UCC410	C.P. 10-Object Oriented Programming with C++	5	25	75	100	3	4
		18UCC4A4	ALLIED PAPER. 4 - Executive Business Communication	6	25	75	100	3	5
		18UCC4CO	C.Pr.4 -Computer Applications IV - C++ Programming	4	40	60	100	3	2
	IV	18UCC4S2	Skill based subject 2 - Principles of Management	2	25	75	100	3	3
		18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil*/Advanced Tamil**/ Non major Elective-II** Women rights	2	-	75	75	3	2
			Total	30			675		25
V	III	18UCC511	C.P.11- Management Accounting	6	25	75	100	3	5
		18UCC512	C.P. 12 Financial Management	6	25	75	100	3	4
		18UCC513	C.P.13- Programming in Visual Basic	6	25	75	100	3	5
		18UCC5E1	Elective Paper -I	6	25	75	100	3	5
		18UCC5CP	C.Pr.5 - Computer Applications V - Visual Basic	4	40	60	100	3	2
	IV	18UCC5S3	Skilled based subject 3 - Human Resource Management	2	25	75	100	3	3
		18UCC5IT	Institutional Training				GRADE****		-
			Total	30			600		24
VI	III	18UCC614	C.P.14- E-Commerce	6	25	75	100	3	4
		18UCC615	C.P.15- Internet and Web Designing	6	25	75	100	3	5
		18UCC6E2	Elective paper - II	6	25	75	100	3	5
		18UCC6CQ	C.Pr.6 - Computer Applications VI - HTML & Internet	4	40	60	100	3	2
		18UCC6Z1	Project Work & Viva-voce***	6	20	80	100	-	5
	IV	18UCC6S4	Skill based subject 4 - Cyber Law	2	25	75	100	3	3
	V	\$\$	Extension Activities	-	50	-	50		1
			Total	30			650		25
			GRAND TOTAL	180			3800		140

@ French/Hindi/Malayalam/Sanskrit

* No End of Semester Examinations (ESE). Only Continuous Internal Assessment (CIA).

** No Continuous Internal Assessment (CIA). Only End of Semester Examinations (ESE).

*** Project Report – 60 marks; Viva-voce – 20 marks; Internal – 20 marks

**** The students shall undergo an Internship training/field work for a minimum period of 2 weeks at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the respective faculty. According to their marks, the grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

\$\$ NCC/NSS/YRC/PYE/RRR/WEC/ECC

MAJOR ELECTIVE PAPERS

(Any 2 papers are to be chosen from the following 6 papers)

1.	Research Methodology
2.	Investment Management
3.	Management Information System
4.	Industrial Law
5.	Entrepreneurship Development
6.	Consumer affairs

LIST OF NON-MAJOR ELECTIVES

1. Human Rights (18UHR3N1)
2. Women's Rights(18UWR4N2)

Note: In core / allied subjects, no. of papers both theory and practical are included wherever applicable. However, the total credits and marks for core/allied subjects remain the same as stated below.

TALLY TABLE

S.No	Part	Subject	Marks	Credit
1.	I	Lan - Tamil / Hindi / French / Malayalam/ Sanskrit	200	6
2.	II	Lan - English	200	6
3.	III	Core/Practical / Project	2,100	77
		Allied	400	20
		Electives	200	10
4.	IV	Basic Tamil/Advanced Tamil/ Non - major Electives	150	4
		Skilled based subject	400	12
		Environmental studies	50	2
		Value Education	50	2
5.	V	Extension Activities	50	1
Total			3,800	140

Note:

LAN – Language

PYE – Physical Education

NCC – National Cadet Corps

RRC – Red Ribbon Club

NSS – National Service Scheme

WEC – Women Empowerment Cell

YRC – Youth Red Cross

ECC – Eco Club

- 25% CIA is applicable to all subjects except JOC, COP and Diploma Courses, which are considered as extra credit courses.

Note:

CBCS– Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End of Semester Examinations

JOC – Job Oriented Course

Subject Code	Title	Instruction Hours	CIA	ESE	Total	Duration	Credits
18UCC0J1	JOC(PRACTICALS):COMPUTER APPLICATION IN BUSINESS	3	-	100	100	3 Hrs	2

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; **K2**-Understanding; **K3**-Apply; **K4**-Analyze; **K5**-Evaluate

1. Theory Examination - Part I, II & III

(i) CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	25	30
K4		05	
K5	Record Work		

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Project Viva voce:			
Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		Viva voce	
K5	20		

Components of Continuous Internal Assessment

Components			Marks		Total	
Theory	CIA 1	75	(75+75 = 150/10) 15		25	
	CIA 2	75				
	Assignment/Seminar		5			
	Attendance		5			
Practical	CIA Practical		10	25	20	40
	Observation Notebook		5	10		
	Attendance		5	5		
Project	Review		15		20	
	Regularity		5			

UPA01

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE – 641 029**

DEPARTMENT OF COMMERCE WITH PROFESSIONAL ACCOUNTING (UG)

Curriculum and scheme of Examination under CBCS

(Applicable to students Admitted from the Academic Year 2018-2019 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam	Credits
					CIA	ESE	TOTAL		
I	I	18TML1A1	Language I@	6	25	75	100	3	3
	II	18ENG101	English -I	6	25	75	100	3	3
	III	18UPA101	C.P.1 – Principles of Accountancy	4	25	75	100	3	3
	III	18UPA102	C.P.2 – Business Economics	4	25	75	100	3	3
	III	18 UPA1A1	Allied 1– Mathematics for Business	6	25	75	100	3	5
	-	-	C.Pr.1-Computer Applications Practical I	2	-	-	-	-	-
	IV	18EVS101	Environmental Studies **	2	-	50	50	3	2
Total (i)				30	125	425	550	-	19
II	I	18TML2A2	Language II@	6	25	75	100	3	3
	II	18ENG202	English –II	6	25	75	100	3	3
	III	18UPA2CL	C.Pr.1 - Computer Applications Practical I	4	40	60	100	3	2
	III	18UPA203	C.P.3 - Mercantile Law	3	25	75	100	3	2
	III	18UPA204	C.P.4 - Banking Theory, Law & Practice	3	25	75	100	3	2
	III	18UPA2A2	Allied 2 - Statistics for Business	6	25	75	100	3	5
	IV	18VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
Total (ii)				30	165	485	650	-	19
III	III	18UPA305	C.P.5 – Financial Accounting	6	25	75	100	3	5
	III	18UPA306	C.P.6 – Cyber Law	5	25	75	100	3	4
	III	18UPA307	C.P.7 – Business Communication	5	25	75	100	3	4
	III	18UPA308	C.P.8 – Accounting Standards	4	25	75	100	3	3
	III	18UPA3A3	Allied 3- Introduction to Information Technology	6	25	75	100	3	5
	IV	18UPA3S1	Skill Based Subject 1- Strategic Management	2	25	75	100	3	3
	IV	18TBT301/ 18TAT301/	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**	2	-	-	75	3	2

		18UHR3N1							
Total (iii)				30	150	450	675	-	26
IV	III	18UPA409	C.P.9 - Partnership Accounting	6	25	75	100	3	5
	III	18UPA410	C.P.10 - Cost Accounting	5	25	75	100	3	4
	III	18UPA411	C.P.11 - Company Law	5	25	75	100	3	3
	III	18UPA412	C.P.12 - Principles of Management	4	25	75	100	3	3
	III	18UPA4A4	Allied 4- Industrial Law	6	25	75	100	3	5
	IV	18UPA4S2	Skill Based subject 2- Customer Relationship Management	2	25	75	100	3	3
	IV	18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**	2		-	75	3	2
Total (iv)				30	150	450	675	-	25
V	III	18UPA513	C.P.13 - Corporate Accounting	6	25	75	100	3	5
	III	18UPA514	C.P.14 - Financial Management	5	25	75	100	3	4
	III	18UPA515	C.P.15 - Direct Tax	6	25	75	100	3	5
	III	18UPA516	C.P.16 – Principles of Marketing	5	25	75	100	3	4
	III	18UPA5E1	Major Elective 1 -	6	25	75	100	3	5
	IV	18UPA5S3	Skill Based subject 3- Entrepreneurship Development	2	25	75	100	3	3
Total (v)				30	150	450	600	-	26
VI	III	18UPA617	C.P.17– Management Accounting	5	25	75	100	3	4
	III	18UPA618	C.P.18 – Principles of Auditing	4	25	75	100	3	3
	III	18UPA619	C.P.19 – Indirect Tax	5	25	75	100	3	4
	III	18UPA6E2	Major Elective 2 –	6	25	75	100	3	5
	III	18UPA6Z1	Professional Training cum Project***	8	20	80	100	-	5
	IV	18UPA6S4	Skill Based subject 4- Investment Management	2	25	75	100	3	3
	V	18NCC/NS S/ YRC/PYE1 01	Extension Activities*	-	50	-	50	-	1
Total (vi)				30	195	455	650	-	25
			Total (i)+(ii)+(iii)+(iv)+(v)+(vi)				3800		140

@ Tamil/Hindi/Malayalam/ French/ Sanskrit – 16TML/HIN/MLM/FRN/SAN101 - 202

* No End-of-Semester Examinations. Only Continuous Internal Assessment (CIA)

** No Continuous Internal Assessment (CIA). Only End-of-Semester Examinations (ESE)

*** Project Report – 60 marks; Viva voce – 20 marks; Internal-20 marks

UPA03**Major Elective Papers (2 papers are to be chosen from the following 6 papers)**

- | | |
|--------------------------------------|----------------------------------|
| 1. Consumer Affairs | 2. Financial Services |
| 3. Human Resource Management | 4. Working Capital Management |
| 5. Insurance Principles and Practice | 6. Management Information System |

Non-Major Elective Papers

- | | |
|-----------------|-------------------|
| 1. Human Rights | 2. Women's Rights |
|-----------------|-------------------|

Skill based subjects

- | | |
|---------------------------------|-------------------------------------|
| 1. Strategic Management | 2. Customer Relationship Management |
| 3. Entrepreneurship Development | 4. Investment Management |

Tally Table:

S.No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/French/ Sanskrit	200	6
2.	II	English	200	6
3.	III	Core – Theory/Practical/Project	2100	77
		Allied (4)	400	20
		Major Electives (2)	200	10
4.	IV	Basic Tamil / Advanced Tamil (OR) Non-major electives	150	4
		Skill Based subjects (4)	400	12
		Environmental Studies	50	2
		Value Education	50	2
5.	V	Extension Activities NCC/NSS/YRC/PYE	50	1
		Total	3800	140

Note :

CBCS – Choice Based Credit system CIA – Continuous Internal Assessment
 ESE – End of Semester Examinations

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1- Remember ; **K2-** Understand; **K3-** Apply; **K4-** Analyze; **K5-** Evaluate

1.Theory Examination: Part I,II &III**(i) CIA I& II and ESE: 75 Marks**

Knowledge level	Section	Marks	Description	Total
K1 Q1 to10	A (Answer all)	10 x 1=10	MCQ	75
K2 Q11 to 15	B (either or pattern)	5 x 5=25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8=40	Descriptive / detailed	

UPA04

2. Practical Examination: 100 marks

ESE (60 marks)

Knowledge Level	Section	Marks	Total
K3	Practical	*50	60
K4			
K5	Record Work	10	

* Program 1: 25 marks & Program 2: 25 marks

3. Project Viva Voce: 100 marks

ESE (80 marks)

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4			
K5	Viva Voce	20	

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75=150 /10)	25
	CIA 2	75		
	Assignment/ Seminar		5	
	Attendance		5	
Practical	CIA	Practical	25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 AND ONWARDS)

Semester	Part	Subject code	Title of the Paper	Instruction Hours/Cycle	Exam. Marks			Durations of Exam (Hours)\$	Credit
					CIA	ESE	Total		
I	I	18TML1A1 @	Language I-Tamil I / Hindi I/French I / Malayalam I/Sanskrit I	6	25	75	100	3.00	3
	II	18ENG101	English I	6	25	75	100	3.00	3
	III	18UBA101	C.P.1 Principles of Management and Organizational Behavior	5	25	75	100	3.00	4
		18UBA102	C.P.2 -Introduction to Information Technology	5	25	75	100	3.00	4
		18UBA1A1	Allied. A 1 -Mathematics for Management-I	6	25	75	100	3.00	5
	IV	18EVS101	Environmental Studies**	2	-	50	50	3.00	2
	Total			30			550		21
II	I	18TML2A2 @	Language II-Tamil II / Hindi II/French II / Malayalam II/Sanskrit II	6	25	75	100	3.00	3
	II	18ENG202	English II	6	25	75	100	3.00	3
	III	18UBA203	C.P.3- Principles of Financial Accounting	5	25	75	100	3.00	4
		18UBA 204	C.P.4- Business Communication	2	25	75	100	3.00	4
		18UBA2CL	C.Pr.1 -Programming Laboratory(MSOFFICE 2010)	3	40	60	100	3.00	2
		18UBA2A2	Allied A 2 -Mathematics for Management – II	6	25	75	100	3.00	5
	IV	18VED201	Value Education- Moral and Ethics**	2	-	50	50	3.00	2
	Total			30			650		23

UBA 2

III	III	18UBA305	C.P.5 -Marketing Management	5	25	75	100	3.00	4
		18UBA306	C.P.6 -Production and Materials Management	5	25	75	100	3.00	4
		18UBA307	C.P.7 -Financial Management	5	25	75	100	3.00	4
		18UBA3CM	C.Pr.2 - Programming Laboratory (Tally ERP 9)	6	40	60	100	3.00	3
		18UBA3A3	Allied B1 -Business Economics	5	25	75	100	3.00	5
	IV	18UBA3S1	Skill Based Subject 1 -Common Aptitude Skills (Online)	2	25	75	100	3.00	3
		18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil**/Advanced Tamil**/Non Major elective**-Human Rights.	2	-	75	75	3.00	2
	Total			30			675		25
IV	III	18UBA 408	C.P.8 -Human Resource Management	6	25	75	100	3.00	5
		18UBA409	C.P.9 -Global Business Management	6	25	75	100	3.00	5
		18UBA410	C.P.10 - Internet and Web Page Designing	4	25	75	100	3.00	4
		18UBA4CN	C.Pr.3 -Programming Laboratory(Internet and Web Page Designing	4	40	60	100	3.00	2
		18UBA4AL	Allied Pr.1 -Functional English for Executives	6	50	50	100	3.00	5
	IV	18UBA4S2	Skill Based Subject2 -Marketing of Services	2	25	75	100	3.00	3
		18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil*/ Advanced Tamil**/ Non major elective**- Women's Rights	2	-	75	75	3.00	2
	Total			30			675		26

UBA 3

V	III	18UBA511	C.P.11 - Research Methods for Management	6	25	75	100	3.00	4
		18UBA512	C.P.12 -Cost and Management Accounting	6	25	75	100	3.00	4
		18UBA513	C.P.13 -RDBMS& ORACLE	5	25	75	100	3.00	4
		18UBA5CO	C.Pr.4 -Programming Laboratory (RDBMS & ORACLE)	5	40	60	100	3.00	2
		18UBA51T	Institutional Training##	GRADE					
		18UBA5E1	Elective Paper 1	6	25	75	100	3.00	5
	IV	18UBA5S3	Skill Based Subject 3 -Goods and Service Tax	2	25	75	100	3.00	3
	Total			30			600		22
VI	III	18UBA614	C.P.14 – Business Law	6	25	75	100	3.00	4
		18UBA615	C.P.15 - VISUAL BASIC	5	25	75	100	3.00	4
		18UBA6CP	C.Pr.5 -Programming Laboratory (VISUAL BASIC)	5	40	60	100	3.00	2
		18UBA6E2	Elective Paper 2	6	25	75	100	3.00	5
		18UBA6S4	Skill Based Subject 4 -Management Information System.	2	25	75	100	3.00	3
	IV	18UBA6Z1	Project work & viva-voce***	6	20	80 #	100	3.00	4
	V	\$\$	EXTENSION ACTIVITIES	-	50	-	50	-	1
	Total			30			650		23
	Grand Total			180			3800	-	140

@French/Hindi/Malayalam/Sanskrit

* No End of Semester Examinations(ESE). Only Continuous Internal Assessment(CIA).

** No Continuous Internal Assessment(CIA). Only End of Semester Examinations(ESE).

*** Project Report – 60 marks; Viva-voce – 20 marks; Internal – 20 marks

**** The students shall undergo an Internship training/field work for a minimum period of 2 weeks at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the respective faculty. According to their marks, the grades will be awarded as given below.

\$\$ NCC/NSS//YRC /PYE/EEC/WEC/RRC

UBA 4

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

Major Elective Papers (2 papers are to be chosen from the following 6 papers)

1. Entrepreneurial Development and Project Management
2. Retail Management
3. Investment and Portfolio Management
4. Logistical Management
5. Customer Relationship Management
6. Consumer Affairs

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

Tally Table:

S.No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/French/Sanskrit	200	6
2.	II	English	200	6
3.	III	Core – Theory/Practical/Project	2100	77
		Allied	400	20
		Electives	200	10
4.	IV	Basic Tamil/Advanced Tamil/Non-major elective	150	4
		Skill Based Subjects	400	12
		Environmental studies	50	2
		Value Education	50	2
5.	V	Extension Activities	50	1
Total			3800	140

Note:

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End of Semester Examinations

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN**K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate****1. Theory Examination - Part I, II & III****(i) CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4	Viva voce	20	
K5			

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10)	25
	CIA 2	75	15	
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

U C D 1

B.SC COSTUME DESIGN AND FASHION
CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO THE STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 AND ONWARDS]

Semester	Part	Subject code	Title of the Paper	Hours/Credits	Exam marks			Duration	Credits	Page No.
					CIA	ESE	Total			
I	I	18TML1A1	Language -Tamil I @	6	25	75	100	3	3	
	II	18ENG101	Language - English for Literary and Career Orientation	6	25	75	100	3	3	
	III	18UCD101	C.P.1 – Pattern Making	5	25	75	100	3	4	9
		18UCD1CL	C.Pr.1– Basics of Apparel Designing	6	40	60	100	3	3	12
		18UCD1AL	Allied.Pr.1 Surface Ornamentation	5	40	60	100	3	5	71
	IV	18EVS101	Environmental studies**	2	-	50	50	3	2	106
				30		550	-	20		
II	I	18TML2A2	Language-Tamil II @	6	25	75	100	3	3	
	II	18ENG202	Language - English II	6	25	75	100	3	3	
	III	18UCD202	C.P.2 – Fiber To Yarn	3	25	75	100	3	3	15
		18UCD203	C.P.3- Fashion Designing and Fashion Psychology	3	25	75	100	3	4	18
		18UCD2CM	C.Pr.2 – Apparel Designing- Kid’s Wear	5	40	60	100	4	3	22
		18UCD2AM	Allied. Pr.2. Fashion Sketching	5	40	60	100	3	5	73
		18VED201	Value Based Education – Moral & Ethics**	2	-	50	50	3	2	108
				30		650	-	23		

U C D 2

III	III	18UCD31T	# Internship Training in Textile Unit/ Garment Unit/ Boutique	Grade						
		18UCD304	C.P.4 Fabric Manufacturing Technology	6	25	75	100	3	4	25
		18UCD3CN	C.Pr.3 Fabric Formation and its Structure	3	40	60	100	3	2	29
		18UCD3CO	C Pr.4 –Apparel Designing- Women's Wear	6	40	60	100	4	4	32
		18UCD3CP	C.Pr.5. Fashion Illustration	5	40	60	100	3	4	35
		18UCD3AN	Allied.Pr.3- Draping Fundamentals	6	25	75	100	3	5	75
	IV	18UCD3S1	Skill Based Subject 1 – Communication in Fashion Business	2	25	75	100	3	3	111
		18TBT301/ 18TAT301/ 18UHR3N1	Basic Tamil* / Advanced Tamil** / Non Major Elective-I Human Rights**	2	-	75	75	3	2	98
				30			675	-	24	
	IV	18UCD405	C.P.5 - Apparel Marketing	4	25	75	100	3	4	38
		18UCD406	C.P.6- Textile Processing	5	25	75	100	3	4	41
		18UCD4CQ	C Pr. 6 –Textile Wet Processing	5	40	60	100	3	3	44
		18UCD4CR	C Pr.7- Apparel Designing - Men's wear	6	40	60	100	4	4	47
		18UCD4A1	Allied P. 1 - Boutique Management	6	25	75	100	3	5	77
		18UCD4SL	Skill Based Subject 2 – Fashion Communication through Technology	2	40	60	100	3	3	114
		18TBT402/ 18TAT402/ 18UWR4N2	Basic Tamil* / Advanced Tamil** / Non Major Elective II** Women's Rights	2	-	75	75	3	2	100
				30			675	-	25	

U C D 3

V	III	18UCD5IT	# Internship training in Textile Unit / Garment Unit/ Boutique	Grade						
		18UCD507	C.P.7- Introduction to Technical Textiles	6	25	75	100	3	4	50
		18UCD508	C.P.8-Textile Testing and Quality control	5	25	75	100	3	4	53
		18UCD5CS	C.Pr.8. Textile Testing	6	40	60	100	4	4	56
		18UCD5CT	C.Pr.9 –Computer Aided Design I	6	40	60	100	4	3	59
		18UCD5E1	Major Elective I	5	25	75	100	3	5	
	IV	18UCD5S2	Skill Based Subject 3- Basics of Cosmetology	2	25	75	100	3	3	117
				30			600	-	23	
VI	III	18UCD609	C.P.9. Visual Merchandising	6	25	75	100	3	4	61
		18UCD6CU	C.Pr.10. Computer Aided Design – II	6	40	60	100	4	4	64
		18UCD6Z1	Project Work***	6	20	80	100	-	5	66
		18UCD6CV	C.Pr.11 Fashion Accessories Designing	5	40	60	100	3	3	68
		18UCD6E2	Major Elective II	5	25	75	100	3	5	
	IV	18UCD6SM	Skill Based Subject 4 – Beauty Care	2	40	60	100	3	3	120
	V	NSS/ NCC/ YRC	Extension Activities*	-	50	-	50	-	1	
				30			650		24	
Total				180			3800		140	

@Hindi / Malayalam/ French/ Sanskrit- 15HIN/MLM/FRN/SAN 101-202

*No End-of-semester Examinations. Only Continuous Internal Assessment (CIA)

**No Continuous Internal Assessment (CIA). Only End-of-semester Examinations (ESE).

***Project record 60 marks; Viva voce 20 marks.

Major Elective Papers

Two papers are to be chosen from the following **six papers**

U C D 4

1.	Pr. Home Furnishing
2.	Fabric Care
3.	Historic Costumes of India
4.	Fashion Forecasting
5.	Computers in Textile Industry
6.	Organization of Garment Unit

Non-Major Elective papers

1. Human Rights
2. Women's Rights
3. Consumer Affairs

Part-wise total marks:

S.NO	Part	SUBJECT	MARKS	TOTAL MARKS	CREDITS
1.	I	Language – Tamil/ Hindi/ Malayalam/ French /Sanskrit	200	200	6
2.	II	English	200	200	6
3.	III	Core – Theory/Practical / Project	2100	2700	77
		Allied	400		20
		Electives	200		10
6.	IV	Basic Tamil/ Advanced Tamil (OR) Non Major Elective	150	650	4
		Skill Based Subject	400		12
		Environmental Studies	50		2
		Value Based Education	50		2
10.	V	Extension activities	50	50	1
		TOTAL MARKS	3800	3800	140

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End Semester Examinations

- ❖ 25% CIA is applicable to all Theory subjects under Part I, Part II, and Part III.

- ❖ CIA not applicable for subject under part IV except skill based subjects.

The students of B.Sc., Costume Design and Fashion course shall undergo two weeks Internship Training at the end of the second and fourth semester (during summer vacation) and submit the report during the third and fifth semester .The report will be evaluated for 100 marks along with the Internal Viva-Voce by respected Faculty. According to their marks, the Grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U(Reappear)

***Project work which carries 100 marks. Students should select a topic for project work in the beginning of VI semester and submit the Project Report (Dissertation) at the end of the VI semester. There is a Viva – voce for the project work. The Internal and the External Examiner shall jointly evaluate the project work and conduct the Viva – voce.

- **Job Oriented Course (JOC)** offered by the Department

- 1 Fashion Designing
- 2 Basics of Cosmetology
- 3 Value Addition of Fabric-Dyeing
- 4 Printing techniques
- 5 Jewellery making

- **Diploma Courses** offered by the Department

- 1 Fashion Design
- 2 Garment Construction
- 3 Garment Merchandising

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; **K2**-Understanding; **K3**-Apply; **K4**-Analyze; **K5**-Evaluate

1. Theory Examination - Part I, II & III

CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

Practical Examination:

U C D 7

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10)	25
	CIA 2	75		
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

QUESTION PAPER PATTERN for CIA and ESE

Theory

Maximum marks 75

Section A (10 x 1 = 10 marks)

Q.No. 1 to 10: Multiple Choice Questions

Section B (5 x 5 = 25 marks)

Q.No. 11 to 15: Either or / short notes type questions (one question 'a' or 'b' from each unit).

Section C (5 x 8 = 40 marks)

Q.No. 16 to 20 : Either or / essay type questions (one question 'a' or 'b' from each unit).

QUESTION PAPER PATTERN for CIA and ESE

Practical

Maximum marks 60

Section A – Record 10 Marks

Section B – 20 Marks

Section C –30 Marks

CORE PAPERS

**KONGUNADU ARTS & SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE – 641 029**

Name of the Course - M.A. ENGLISH LITERATURE

**CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS
(Applicable to students admitted from the academic year 2018-2019 and onwards)**

Semester	Subject Code	TITLE OF THE PAPER		Instruction Hrs./cycle	MARKS			Exam Duration (Hrs)	Credit Points
					CIA	ESE	Total		
I	18PEL101	C.P.1	Chaucer and the Elizabethan Age	6	25	75	100	3	4
	18PEL102	C.P.2	The Augustan and the Romantic Age	6	25	75	100	3	4
	18PEL103	C.P.3	The Victorian Age and the Twentieth Century English Literature	6	25	75	100	3	4
	18PEL104	C.P.4	Indian Writing in English	6	25	75	100	3	4
	18PEL1N1	NME-I	Non-Major Elective I	6	25	75	100	3	5
			Total	30	-	-	500	-	21
II	18PEL205	C.P.5	Shakespeare – I	5	25	75	100	3	4
	18PEL206	C.P.6	American Literature	5	25	75	100	3	4
	18PEL207	C.P.7	New Literatures in English	5	25	75	100	3	4
	18PEL208	C.P.8	Literary Criticism	6	25	75	100	3	4
	18PEL209	C.P.9	Dalit Literature	5	25	75	100	3	4
	18PEL2N2	NME-II	Non-Major Elective II	4	25	75	100	3	5
			Total	30	-	-	600	-	25

Semester	Subject Code	TITLE OF THE PAPER		Instruction Hrs./cycle	MARKS			Exam Duration (Hrs)	Credit Points
					CIA	ESE	Total		
III	18PEL310	C.P.10	Shakespeare- II	5	25	75	100	3	4
	18PEL311	C.P.11	Literary Theory	5	25	75	100	3	3
	18PEL312	C.P.12	World Literature	5	25	75	100	3	4
	18PEL313	C.P.13	The English Language	5	25	75	100	3	4
	18PEL314	C.P.14	Research Methodology	5	25	75	100	3	4
	18PEL3E1	ME I	Major Elective- 1	5	25	75	100	3	5
			Total	30	-	-	600	-	24
IV	18PEL415	C.P.15	English Language Teaching	5	25	75	100	3	3
	18PEL416	C.P.16	General Essay	6	25	75	100	3	4
	18PEL417	C.P.17	Single Author Study	5	25	75	100	3	4
	18PEL4E2	ME II	Major Elective – II	6	25	75	100	3	5
	18PEL4Z1	C.P.18	Project and Viva Voce	8	20	80	100	3	4
			Total	30	120	380	500	-	20
	Grand Total			-	-	-	2200	-	90

ADVANCED LEARNERS COURSE (ALC) under Self Study Scheme (Optional)

Sem-II	18PEL0D1	ALC 1	The Art of Public Speaking	-	-	100	100	3	2
Sem- III	18PEL0D2	ALC2	Personality Development	-	-	100	100	3	2
Sem-IV	18PEL0D3	ALC 3	Women's Writings	-	-	100	100	3	2

JOB ORIENTED COURSE (JOC) SEMESTER-I
Reading and Writing Skills
CAREER ORIENTATION PROGRAMME (COP) SEMESTER-III
Copy Writing

Major Elective Papers

(2 papers are to be chosen from the following 4 papers)

1. Linguistics
2. Journalism & Mass Communication
3. Translation Theory and Practice
4. Soft Skills through Literature

Non Major Elective Papers

(2 papers are to be chosen from the following 4 papers)

1. Women's Studies
2. Green Studies
3. Methods of Teaching in English
4. Oral and Written Communication Skills.

TALLY TABLE:

SUBJECT	No. of Subjects	TOTAL MARKS	TOTAL CREDITS
CORE - THEORY	18	1800	70
MAJOR ELECTIVE 1	1	100	5
MAJOR ELECTIVE 2	1	100	5
NON – MAJOR ELECTIVE 1	1	100	5
NON-MAJOR ELECTIVE 2	1	100	5
TOTAL	22	2200	90

- CBCS** - Choice Based Credit System
C.P - Core Paper
CIA - Continuous Internal Assessment
ESE - End of Semester Examination

Component for Project

CIA/ESE	Particulars	Project out of 100 Marks(PG)
CIA	Project review	15
	Regularity	5
	Total Internal Marks	20
*ESE	Project Report present	60
	Viva Voce	20
	Total External Marks	80
Total Marks (CIA+ESE)		100

Project Report and Viva Voce will be evaluated jointly by both the project supervisor (faculty of the Department) and an External Examiner.

M.A. ENGLISH LITERATURE

Question Paper Pattern (Under OBE Pattern)

(Applicable to students admitted from the academic year 2018-2019 and onwards)

Maximum Marks – 75 Marks

Time - 3hrs

For all Core Papers, Major & Non Major Electives the following pattern will be followed:

SECTION A (10X1=10 marks)

Questions **1 – 10**

Multiple Choice questions with four alternatives to be taken from all five Units.

Each Unit will have 2 multiple choice questions.

All Questions carry equal marks.

SECTION-B (5X5=25 marks)

Questions **11 – 15**

Short Notes in about **250 words** each of either/or type should be taken from all the five Units.

All Questions carry equal marks.

SECTION-C (5X8=40 marks)

Questions **16 – 20**

Essay type Questions in about **500 words** each of either/or type, should be taken from all five units.

Question Paper Pattern (ALC, COP & JOC)

For Advanced Learners Course (ALC), Career Oriented Program (COP) and Job Oriented Course (JOC)

Section-A Multiple Choice Questions (10x1=10 Marks)

Section-B-Either or Type (5X6=30 Marks) of about 150 words each.

Section-C-Either or Type (5X12=60 Marks) of about 600 words each.

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate

1. Theory Examination - Part I, II & III

(i) CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10) 15	25
	CIA 2	75		
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)COIMBATORE – 641 029**M.Sc. MATHEMATICS****Curriculum & Scheme of Examination under CBCS**(APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2018-2019 &
ONWARDS)

Semester	Subject Code/ Question Paper Code	Part		Title of the Paper	Instruction Hours	Examination Marks			Duration of Exam Hrs	Credits
						CIA	ESE	Total		
I	18PMA101	I	CP 1	Algebra	7	25	75	100	3	5
	18PMA102		CP 2	Real Analysis	6	25	75	100	3	5
	18PMA103		CP 3	Ordinary Differential Equations	7	25	75	100	3	5
	18PMA104		CP 4	Numerical Methods	6	25	75	100	3	4
	18PMA1N1		NMEP 1	Non-Major Elective -1	4	25	75	100	3	5
				TOTAL	30			500		24
II	18PMA205	I	CP 5	Complex Analysis	7	25	75	100	3	4
	18PMA206		CP 6	Partial Differential Equations	6	25	75	100	3	5
	18PMA207		CP 7	Mechanics	6	25	75	100	3	5
	18PMA208		CP 8	Programming in C – Theory	5	25	75	100	3	3
	18PMA2L		CPr 1	Programming in C – Practical	2	40	60	100	3	2
	18PMA2N2		NMEP 2	Non-Major Elective -2	4	25	75	100	3	5
				TOTAL	30			600		24

PMA 2

III	18PMA309	I	CP 9	Topology	7	25	75	100	3	5
	18PMA310		CP 10	Functional Analysis	7	25	75	100	3	5
	18PMA311		CP 11	Mathematical Statistics	7	25	75	100	3	5
	18PMA3E1		MEP 1	Major Elective Paper	7	25	75	100	3	5
			PRO	Project	2	-	-	-	-	-
				TOTAL	30			400		20
IV	18PMA412	I	CP 12	Mathematical Methods	7	25	75	100	3	5
	18PMA413		CP 13	Control Theory	7	25	75	100	3	5
	18PMA414		CP 14	Object Oriented Programming with C++ - Theory	5	25	75	100	3	3
	18PMA4C M		C Pr 2	Object Oriented Programming with C++ - Practical	2	40	60	100	3	2
	18PMA4E2		MEP 2	Major Elective Paper	7	25	75	100	3	5
	18PMA4Z1		PRO	Project	2	40	160 **	200	-	2
				TOTAL	30			700		22
					Total			2200		90

** Dissertation 120 Marks

Viva – Voce 40 Marks

ADVANCED LEARNER'S COURSE (SELF STUDY)

	18PMA0D1	Optional I	ALC 1	Discrete Mathematics and Automata Theory	-	-	100	100	3	2
	18PMA0D2		ALC 2	Astronomy	-	-	100	100	3	2
	18PMA0D3		ALC 3	Internet and JAVA Programming	-	-	100	100	3	2

Major Elective Papers

(2 papers are to be chosen from the following 4 papers)

1. Fluid Dynamics
2. Advanced Operations Research
3. Fundamentals of Actuarial Mathematics
4. Cryptography

Non Major Elective Papers

(2 papers are to be chosen from the following 4 papers)

1. System Analyses and Design
2. Visual Basic and Oracle
3. Fuzzy Logic and Neural networks
4. Measure and Integration

Tally Table

Part	Subject	Total Marks	Total Credits
I	Core – Theory / Practical / Project (18)	1800	70
	Major Elective Paper (2)	200	10
	Non Major Elective Paper (2)	200	10
	Grand Total (22)	2200	90
II (Optional)	ALC (3) (Maximum)	300 (Maximum)	6 (Maximum)

Note

CBCS – Choice Based Credit System, CIA – Continuous Internal Assessment,

ESE – End Semester Examination, CP - Core Paper ,

NMEP – Non Major Elective Paper, CPr – Core Practical, PRO - Project

MEP - Major Elective Paper, ALC – Advanced Learner’s Course

(Self study courses to earn extra credits)

25% CIA is applicable to all subjects except ALC (CIA is not applicable to ALC).

JOCs are optional for earning extra credits. JOCs are conducted within 4 hours/cycle

outside college hours. A list of JOCs is given at the end.

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BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN**K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate****1. Theory Examination - Part I, II & III****(i) CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

2. Practical Examination

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce

Knowledge Level	Section	Marks	Total
K3	Project Report	120	160
K4		40	
K5	Viva voce		

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10) 15	25
	CIA 2	75		
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		30	40
	Regularity		10	

PPH1
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE-641 029

M.Sc.. PHYSICS

Curriculum and Scheme of Examination under CBCS

(Applicable to students admitted during the Academic year 2018–2019 and onwards)

Semester	Subject code	of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam. Hrs.	Credit
				CIA	ESE	Total		
I	18PPH101	C.P 1- Classical Mechanics	5	25	75	100	3	5
	18PPH102	C.P 2- Mathematical Physics	5	25	75	100	3	5
	18PPH103	C.P 3- Modern Optics	5	25	75	100	3	5
	18PPH1N1	1N1 – Non Major Elective I	5	25	75	100	3	5
	18PPH2CL	C. Pr 1- General Experiments	5	-	-	-	-	-
	18PPH2CM	C. Pr 2- Electronics Experiments	5	-	-	-	-	-
			30	100	300	400		20

II	18PPH204	C.P 4- Quantum Mechanics –I	5	25	75	100	3	4
	18PPH205	C.P 5- Thermodynamics and Statistical mechanics	5	25	75	100	3	4
	18PPH206	C.P 6- Thin Film Physics, Plasma Physics and Crystal growth	4	25	75	100	3	4
	18PPH207	C.P 7- Nuclear and Particle Physics	4	25	75	100	3	4
	18PPH2N2	2N2 – Non Major Elective II	4	25	75	100	3	5
	18PPH2CL	C.Pr 1 - General Experiments	4	40	60	100	4	3
	18PPH2CM	C.Pr 2 - Electronics Experiments	4	40	60	100	4	3
			30	205	495	700		27

III	18PPH308	C.P 8- Quantum Mechanics-II	5	25	75	100	3	5
	18PPH309	C.P 9- Electromagnetic theory and Electrodynamics	5	25	75	100	3	5
	18PPH310	C.P.10 Solid State Physics	5	25	75	100	3	5
	18PPH3E1	3E1 - Major Elective I	5	25	75	100	3	5
	18PPH4CN	C. Pr 3- Advanced Experiments	5	-	-	-	-	-
	18PPH4CO	C. Pr 4 - Special Electronics Experiments	5	-	-	-	-	-
			30	100	150	400		20

PPH2

IV	18PPH411	C.P. 11 Communication Physics	5	25	75	100	3	4
	18PPH412	C.P 12 - Atomic & Molecular Spectroscopy	5	25	75	100	3	4
	18PPH4E2	4E2 - Major Elective II	5	25	75	100	3	5
	18PPH4CN	C. Pr 3 - Advanced Experiments	5	40	60	100	6	3
	18PPH4CO	C. Pr 4 - Special Electronics Experiments	5	40	60	100	6	3
	18PPH4Z1	Project and Viva Voce	5	40	160	200	-	4
			30	195	505	700		23
		Total				2200		90

Major Elective Papers

(2 papers are to be chosen from the following 4 papers)

1. Nanotechnology: Principles and Applications
2. Atmospheric Science
3. Biomedical Instrumentation
4. Problems in Physics

Non - Major Elective papers

(2 papers are to be chosen from the following 4 papers)

1. Electronics and Microprocessors
2. Applied Physics
3. Energy Physics
4. Industrial Physics

Tally Table

Part	Subject	No. of Subjects	Marks	Credits
I	Core – Theory / Practical / Project	18	1800	70
	Major Elective Paper	2	200	10
	Non-Major Elective Paper	2	200	10
	Grand Total	22	2200	90

Note:

- CBCS - Choice Based Credit System
- CIA - Continuous Internal Assessment
- ESE - End of Semester Examination

Question Paper Pattern for CIA and ESE

Theory

Maximum marks: 75

Section - A (10 × 1 = 10 marks)

Q.No. 1 to 10: Multiple choice types along with four distracters each

Section - B (5 × 5 = 25 marks)

Q.No. 11 to 15: Either or / essay type question (One question 'a' or 'b' from each unit.)

Note: In Section B, one question should be a problem from any of the five units
(both the options 'a' and 'b')

Section - C (5 × 8 = 40 marks)

Q. No. 16 to 20: Either or / essay type question (One question 'a' or 'b' from each unit.)

1. Breakup marks for CIA of Theory		
CIA Exam		15
Assignment		5
Attendance		5
Total		25
2. Components of Practical		
Break up marks for CIA of Practical		
CIA Practical Exam		25
Observation Notebook/Regularity		10
Attendance		5
Total		40
Breakup marks for ESE of Practical		
*Experiment		50
Record		10
Total		60
* Breakup marks for Experiment (50 Marks)		
Formula and its expansion		10
Circuit diagram/ Figure/Graph		5
Observation and Tabulation		5
Skill		15
Calculation		10
Result and neatness		5
Total		50
3. Component for Project		
CIA/ESE	Particulars	
CIA	Project Review	30
	Regularity	10
	Total Internal Marks	40
*ESE	Project Report Presentation	120
	Viva Voce	40
	Total External Marks	160
Total Marks (CIA + ESE)		200

* Projects report and Viva voce will be evaluated jointly by Project Supervisor (Faculty of the Department) and an External Examiner.

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**COIMBATORE – 641 029****Course Name: M.Sc., Chemistry****Curriculum and Scheme of Examination under CBCS**

(Applicable to students Admitted from the Academic year 2018 – 2019 onwards)

Semester	Course code / Q.P.Code	Title of the Course	Instruction hours/cycle	Exam. Marks			Duration of Exam (Hrs)	Credits
				CIA	ESE	Total		
I	18PCH101	C.P.-1- Organic Chemistry - I	5	25	75	100	3	5
	18PCH102	C.P. 2 - Inorganic Chemistry - I	5	25	75	100	3	5
	18PCH1E1	ME-1 Major Elective - I	5	25	75	100	3	5
	18PCH1N1	NME-1 Non-Major Elective - I	5	25	75	100	3	5
		C.Pr.1 - Organic Chemistry Practical - I	3	-	-	-	-	-
		C.Pr.2 - Inorganic Chemistry Practical-I	3	-	-	-	-	-
		C.Pr.3 - Physical Chemistry Practical-I	4	-	-	-	-	-
Total			30			400		20
II	18PCH203	C.P. 3 - Physical Chemistry - I	5	25	75	100	3	5
	18PCH204	C.P. 4 - Organic Chemistry - II	5	25	75	100	3	5
	18PCH205	C.P. 5 - Inorganic Chemistry - II	5	25	75	100	3	5
	18PCH2CL	C.Pr.1 - Organic Chemistry Practical - I	5	40	60	100	6	3
	18PCH2CM	C.Pr.2 - Inorganic Chemistry Practical-I	5	40	60	100	6	3
	18PCH2CN	C.Pr.3 - Physical Chemistry Practical-I	5	40	60	100	6	2
Total			30			600		23
III	18PCH306	C.P. 6 - Physical Chemistry - II	5	25	75	100	3	5
	18PCH307	C.P. 7 - Spectroscopy	5	25	75	100	3	5
	18PCH308	C.P.8 - Organic Chemistry - III	5	25	75	100	3	5
	18PCH309	C.P.9- Inorganic Chemistry-III	5	25	75	100	3	5
	18PCH3CO	C.Pr.4 - Physical Chemistry Practical - II	4	40	60	100	6	2
		C.Pr.5 - Organic Chemistry Practical - II	3	-	-	-	-	-
		C.Pr.6 - Inorganic Chemistry Practical- II	3	-	-	-	-	-
Total			30			500		22
IV	18PCH410	C.P.10 - Physical Chemistry - III	5	25	75	100	3	5
	18PCH4E2	ME-2 - Major Elective - II	5	25	75	100	3	5
	18PCH4N2	NME- 2 - Non-Major Elective - II	5	25	75	100	3	5
	18PCH4CP	C.Pr.5 - Organic Chemistry Practical - II	5	40	60	100	6	2
	18PCH4CQ	C.Pr.6 - Inorganic Chemistry Practical-II	5	40	60	100	6	2
	18PCH4Z1	Project Work & Viva -Voce	5	40	160	200	-	6
Total			30			700		25
Total						2200		90

Major Electives papers

(2 papers are to be chosen from the following 4 papers)

1. Physical Methods in Chemistry
2. Polymer science & Technology
3. Green and Nano Chemistry
4. Bioinorganic chemistry

Non-Major Electives papers

(2 papers are to be chosen from the following 4 papers)

1. Environmental chemistry
2. Scientific thesis writing & paper presentation
3. Agricultural Chemistry
4. Industrial Chemistry

Abstract

S.No	Particulars of the Courses	No of courses	Marks	Credits	Total	
					Marks	Credits
01	Core				1800	70
	i. Theory	10	1000	47		
	ii. Practicals	06	600	17		
	iii. Project work	01	200	06		
02	Major Electives	02	200	10	200	10
03	Non-Major Electives	02	200	10	200	10
	Total				2200	90

Extra credit courses

<i>JOB ORIENTED COURSE</i>								
Semester	Course code / Q.P.Code	Title of the Course	Instructio	Exam. Marks			Duration of	Credits
				CIA	ESE	Total		
	17PCH0J1	JOC - Pharmaceutical Chemistry	6	-	100	100	3	2
ADVANCED LEARNER COURSES (UNDER SELF STUDY SCHEME)								
	18PCH0D1	ALC- 1 Chemistry of Corrosion and its Prevention	-	-	100	100	3	2
	18PCH0D2	ALC- 2 Medicinal Chemistry	-	-	100	100	3	2
	18PCH0D3	ALC- 3 Food Chemistry	-	-	100	100	3	2

CBCS – Choice Based Credit System **CIA** – Continuous Internal Assessment**ESE** – End-of-Semester Examination

25 % CIA is applicable to all subjects except JOC and ALC, which are considered as extra credit courses.

JOC is conducted for 6 hours per cycle outside the college hours.

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN**QUESTION PAPER PATTERN FOR CIA AND ESE****Theory (including electives except JOC and ALC)****Maximum marks: 75****K1 – Remember; K2 – Understanding; K3 – Apply; K4 – Analyze; K5 – Evaluate**

Knowledge level	Section	Marks	Description	Total
K1 Q 1 to 10	A (Answer all)	10 X 1 = 10	MCQ	75
K2 Q 11 to 15	B (Either or pattern)	5 X 5 = 25	Short Answers	
K3 & K4 Q 16 to 20	C (Either or pattern)	5 X 8 = 40	Descriptive / Detailed answers	

QUESTION PAPER PATTERN FOR ESE**JOC and ALC****Maximum marks: 100**

Section	Marks	Description	Total
A (Answer all) Q.No.1 to 10	10 X 1 = 10	MCQ	100
B (Either or pattern) Q.No.11 to 15	5 X 6 = 30	Short Answers	
C (Either or pattern) Q.No.16 to 20	5 X 12 = 60	Descriptive / Detailed answers	

PBO1

M.Sc.Botany

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS
(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 AND ONWARDS)

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
I	18PBO101	C.P.1 - Plant Diversity I	7	25	75	100	3	5
	18PBO102	C.P.2 - Plant Diversity II	7	25	75	100	3	5
	18PBO103	C.P.3 - Anatomy and Developmental Biology	6	25	75	100	3	5
	18PBO1E1	Major Elective I	6	25	75	100	3	5
	18PBO1CL	C.Pr.1 - Plant Diversity I & II, Anatomy and Developmental Biology	4	40	60	100	4	2
	Total		30			500		22
II	18PBO204	C.P.4- Bioinformatics	6	25	75	100	3	4
	18PBO205	C.P.5 - Cell biology, Genetics and Plant Breeding	6	25	75	100	3	5
	18PBO206	C.P.6 - Ecology, Bioenergetics and Natural Resource Management	6	25	75	100	3	5
	18PBO2E2	Major Elective II	6	25	75	100	3	5
	18PBO2CM	C.Pr. 2 - Cell biology, genetics, plant breeding, ecology, bioenergetics and natural resources management	4	40	60	100	4	2
	18PBO2CN	C.Pr.3 - Bioinformatics	2	40	60	100	4	2
	Total		30			600		23
III	18PBO307	C.P.7 - Taxonomy and Biosystematics	7	25	75	100	3	5
	18PBO308	C.P.8 - Microbiology and Plant Pathology	7	25	75	100	3	5
	18PBO309	C.P.9 - Biophysics and Biostatistics	6	25	75	100	3	5
	18PBO3N1	Non major Elective I	6	25	75	100	3	5
	18PBO3CO	C.Pr.4 - Taxonomy and Biosystematics, Microbiology and plant pathology, Biophysics and Biostatistics	4	40	60	100	4	2
	Total		30			500		22
IV	18PBO410	C.P.10 - Biochemistry and Bioinstrumentation	7	25	75	100	3	5
	18PBO411	C.P.11 - Plant Physiology	7	25	75	100	3	5
	18PBO4N2	Non major Elective II	6	25	75	100	3	5
	18PBO4CP	C.Pr.5 - Biochemistry and Bioinstrumentation and Plant Physiology	4	40	60	100	4	2
	18PBO4Z1	Project Work & Viva - Voce	6	40	160	200	-	6
	Total		30			600		23
Grand Total			120			2200		90

PBO2

Major Elective Papers

(2 papers are to be chosen from the following 5 papers)

1. Forest Resources and Utilization
2. Seed Technology
3. Mushroom Cultivation
4. Food Science and Nutrition
5. Biotechnology and Nanobiology

Non-Major Elective Papers

(2 papers are to be chosen from the following 4 papers)

1. Horticulture
2. Pharmacognosy
3. Medicinal Plants
4. Limnology

Tally Table:

Part	Subject	No. of Subjects	Total Marks	Credits
I	Core - Theory / Practical / Project	18	1800	70
	Major Elective Paper	2	200	10
	Non - Major Elective Paper	2	200	10
	Grand Total	22	2200	90

Extra Credit Courses

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
II	18PBO2J1	JOC - Floriculture and Landscaping	4	-	100	100	3	2
	18PBO2J2	JOC - Food Processing and Preservation	4	-	100	100	3	2

Diploma Courses**Biodiversity - Principles, Management and Conservation.**

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
I	18PDB101	C.P.1.Introduction to Biodiversity	2	25	75	100	3	2
	18PDB102	C.P.2 . Values, uses and loss of Biodiversity	2	25	75	100	3	2
	18PDB103	C.P.3. Conservation and management of Biodiversity	2	25	75	100	3	2
	18PDB1CL	C.Pr.1. Biodiversity	2	40	60	100	3	2
		Total	8			400		8
II	18PDB204	C.P.4. Biodiversity prospecting and indigenous knowledge system (IKS) and Biotechnology for Biodiversity	2	25	75	100	3	2
	18PDB205	C.P.5. Wildlife biology and conservation policies and law	2	25	75	100	3	2
	18PDB2Z1	Project	4	40	160	200	-	4
		Total	8			400		8
		Grand total	16			800		16

Note:

CBCS - Choice Based Credit System

CIA - Continuous Internal Assessment

ESE - End of Semester Examinations

25 % CIA is applicable to all subjects except JOC, ALC, COP and Diploma Courses, which are considered as extra credit courses.

PBO4

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1 - Remember; **K2** - Understanding; **K3** - Apply; **K4** - Analyze; **K5** - Evaluate

1. Theory Examination: CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4	Record Work	10	
K5			

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report Viva - voce	120	160
K4		40	
K5			

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA I	75	(75+75 = 150/10)	25
	CIA II	75	15	
Assignment / Seminar			5	
Attendance			5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		30	40
	Regularity		10	

PZO 1

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COIMBATORE – 641 029

Course Name: M.Sc., Zoology

Curriculum and scheme of Examination under CBCS

(Applicable to students Admitted from the Academic Year **2018-2019** and onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
SEMESTER I									
I	I	18PZO101	Core Paper 1 Animal physiology	6	25	75	100	3	5
		18PZO102	Core Paper 2 Cell and Molecular biology and Biochemistry	5	25	75	100	3	4
		18PZO103	Core Paper 3 Biotechnology	6	25	75	100	3	5
		18PZO104	Core Paper.4 Aquaculture	5	25	75	100	3	5
			Core Practical. 1	4	-	-	-	-	-
			Core Practical. 2	4	-	-	-	-	-
			Total	30			400		19
SEMESTER II									
II	I	18PZO205	Core Paper 5 Biostatistics and Biophysics	6	25	75	100	3	5
		18PZO206	Core Paper 6 Molecular Genetics	6	25	75	100	3	5
		18PZO207	Core Paper 7 Microbiology and Immunology	6	25	75	100	3	4
		18PZO2CL	Core Practical 1	4	40	60	100	4	2

PZO2

		18PZO2CM	Core Practical 2	4	40	60	100	4	2
		18PZO2N1	Non Major Elective I	4	25	75	100	3	5
			Total	30			600		23
SEMESTER III									
III	I	18 PZO308	Core Paper 8 Entomology	5	25	75	100	3	5
		18PZO309	Core Paper 9 Bioinstrumentation	4	25	75	100	3	4
		18 PZO310	Core Paper 10 Developmental Biology	5	25	75	100	3	5
			Core Practical .3	4	-	-	-	-	-
			Core Practical .4	4	-	-	-	-	-
		18PZO3N2	Non Major Elective. II	4	25	75	100	3	5
		18PZO3E1	Major Elective. I	4	25	75	100	3	5
			Total	30			500		24
SEMESTER IV									
IV	I	18 PZO411	Core Paper 11 Biodiversity and Evolution	5	25	75	100	3	5
		18 PZO412	Core Paper.12 Applied Entomology	6	25	75	100	3	5
		18PZO4CN	Core Practical .3	4	40	60	100	4	2
		18PZO4CO	Core Practical .4	4	40	60	100	4	2
		18PZO4E2	Major Elective II	6	25	75	100	3	5
		18PZO4Z1	Project and Viva voce	5	40	160	200	-	5
			Total	30			700		24
			Grand Total	120			2200		90

MAJOR ELECTIVE PAPERS

(2 papers are to be chosen from the following 4 papers)

1. Environmental Biology
2. Wild Life Ecology and Management
3. Environmental Biology and Toxicology
4. Poultry Science and Management
5. Poultry science and Management

NON –MAJOR ELECTIVE PAPERS

(2 papers are to be chosen from the following 4 papers)

1. Nutrition and Dietetics
2. Ecotourism
3. Nanobiotechnology
4. Human genetics and Counselling

Tally Table:

Part	Subject	No. of Subjects	Total Marks	Credits
I	Core – Theory / Practical / Project	18	1800	70
	Major Elective Paper	2	200	10
	Non Major Elective Paper	2	200	10
	Grand Total	22	2200	90

Note:

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End of Semester Examinations

25 % CIA is applicable to all theory subjects except JOC, ALC, COP and Diploma Courses, which are considered as extra credit courses.

Bloom's Taxonomy Based Assessment Pattern

K1- Remember ; K2-Understanding ; K3- Apply K4- Analyze ; k5 – Evaluate

1.Theory Examination – Part I, II and III**(i) CIA I & II and ESE : 75 Marks**

Knowledge level	Section	Marks	Description	Total
K1 Q 1 to 10	A (Answer all)	10X1=10	MCQ	75
K2 Q 11 to 15	B (Either or Pattern)	5X5 = 25	Short Answer	
K3 & K4 Q 16 to 20	C (Either or Pattern)	5X8 = 40	Descriptive/ Detailed	

(i) CIA I & II and ESE : 55 Marks

Knowledge level	Section	Marks	Description	Total
K1 Q 1 to 10	A (Answer all)	10X1=10	MCQ	55
K2 Q 11 to 15	B (Either or Pattern)	5X3 = 15	Short Answer	
K3 & K4 Q 16 to 20	C (Either or Pattern)	5X6 = 30	Descriptive/ Detailed	

2.Practical Examination:

Knowledge level	Section	Marks	Total
K3	Experiments	50	60
K4	Record Work	10	
K5			

3. Project Viva-Voce :

Knowledge level	Section	Marks	Total
K3	Project Report	120	160
K4	Viva-Voce	40	
K5			

Components of Continuous Internal Assessment

Components		Marks	Total
Theory CIA 1	75	75+75=150/10	25
		15	
	Assignment / Seminar	5	
	Attendance	5	40
Practical	CIA Practical	25	
	Observation Notebook	10	
	Attendance	5	
Project	Review	15	20
	Regularity	5	

PBC 1
KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
 Re-accredited by NAAC with 'A' Grade Status – 3.64 CGPA out of 4 (3rd Cycle)
 College of Excellence (UGC)
COIMBATORE – 641029, TAMIL NADU, INDIA.
Course Name: M.Sc. Biochemistry
Curriculum and Scheme of Examination under CBCS
(Applicable for the Students Admitted during the Academic Year 2018-2019)

Semester	Subject code/ Question paper code	Title of the paper	ns hours/cyc	Exam Marks			Duration of Exam (Hrs)	Credits
				CIA	ESE	Total		
I	18PBC101	C.P.1 Biomolecules	5	25	75	100	3	4
	18PBC102	C.P.2 Bioanalytical Techniques	5	25	75	100	3	4
	18PBC103	C.P.3 Enzymes and Enzyme Technology	5	25	75	100	3	4
	18PBC104	C.P.4 Cell Biology	5	25	75	100	3	4
	18PBC105	C.P.5 Plant Biochemistry and Biotechnology	5	25	75	100	3	4
	18PBC1CL	C.Pr.1 Lab in Biomolecules, Bioinstrumentation, Enzymology and Cell Biology	5	40	60	100	6	4
Total Hours			30	140	360	500		24
II	18PBC206	C.P.6 Hormonal Biochemistry	5	25	75	100	3	4
	18PBC207	C.P.7 Intermediary Metabolism	5	25	75	100	3	4
	18PBC208	C.P.8 Genetics and Molecular Biology	5	25	75	100	3	4
	18PBC209	C.P.9 Drug Biochemistry	5	25	75	100	3	4
	18PBC2CM	C.Pr.2 Lab in Plant Biochemistry, Microbiology, Genetics and Molecular Biology	5	40	60	100	5	4
	18PBC2E1	E.P.1 Major Elective- I	5	25	75	100	3	5
Total Hours			30	165	435	600		25
III	18PBC310	C.P.10. Immunology	5	25	75	100	3	4
	18PBC311	C.P.11 Genetic Engineering	5	25	75	100	3	4
	18PBC312	C.P.12 Clinical Biochemistry	5	25	75	100	3	4
	18PBC313	C.P.13 Biostatistics and Research Methodology	5	25	75	100	3	5
	18PBC3CN	C.Pr.3 Lab in Immunology, Genetic Engineering and Clinical Biochemistry	5	40	60	100	5	4
	18PBC3N1	E.P.1 Non-major Elective –I (On-line)	5	25	75	100	3	5
	18PBC3ST	Summer training*	-	-	-	-	-	-
Total Hours			30	165	435	600		26
IV	18PBC4E2	E.P.2 Major Elective- II	5	25	75	100	3	5
	18PBC4N2	E.P.2 Non-major Elective –II (On-line)	5	25	75	100	3	5
	18PBC4Z1	Project and Viva-voce	20	40	160	200	-	5
Total Hours			30	115	385	500		15
GRAND TOTAL			120	585	1615	2200		90

*Project record 120 marks + Viva-voce examination 40 marks

PBC 2

Note: *The students shall undergo an Summer training/field work for a minimum period of 3 weeks at the end of the second semester during summer vacation and submit the report in the third semester. The report will be evaluated for 100 marks along with the internal viva voce by the faculty members and HoD. According to their marks, the grades will be awarded as given below.

Marks (%)	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

ADVANCED LEARNERS COURSE UNDER SELF STUDY SCHEME (Optional)

18PBCOD1	Forensic Sciences
18PBCOD2	Nutraceuticals and Functional foods
18PBCOD3	Stem Cell Biology

JOB ORIENTED COURSE

18PBCOJ1	Bio entrepreneurship
18PBCOJ2	Food safety and Quality control
18PBCOJ3	Clinical and therapeutic nutrition

CERTIFICATE COURSE IN MEDICAL LABORATORY TECHNOLOGY

18PBC0F1	Paper I: Biochemistry
18PBC0F2	Paper II: Clinical Pathology and Microbiology-I
18PBC0F3	Practical I
18PBC0F4	On the Job training

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

18PBC0F5	Paper I: Anatomy, Physiology and Laboratory safety
18PBC0F6	Paper II: Clinical Pathology and Medical Microbiology II
18PBC0F7	Practical II
18PBC0F8	On the Job training

Tally Table:

Subjects	Total Marks	Total Credits
Core Paper/Practical/Project (17)	1800	70
Major Elective (2)	200	10
Non – Major Elective (2)	200	10
Grand Total	2200	90

Note: JOC, ALC are offered to the students admitted during the academic year 2018-19 and will be considered as extra credit courses

CBCS	-	Choice Based Credit System
C.P	-	Core Paper
C.Pr.	-	Core Practical
JOC	-	Job Oriented Course
ALC	-	Advanced Learners Course
CIA	-	Continuous Internal Assessment
ESE	-	End of Semester Examination

25 % CIA is applicable for all theory papers

40% CIA is applicable for all practical papers

Major Elective Papers

1. Nanobiotechnology
2. Microbiology
3. Bioinformatics
4. Bioethics, Biosafety and IPR

Non – Major Elective Papers (On-line exam)

1. Environmental Management
2. Competitive Sciences
3. Bioprocess Technology
4. Animal and Plant Biotechnology

Students must select two major electives and two non-major electives from the above list of papers.

PBT01

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
COIMBATORE-641 029.

M.Sc. BIOTECHNOLOGY

Curriculum & Scheme of Examination under CBCS

(Applicable to Students Admitted from the Academic Year 2018-2019 and onwards)

Semester	Subject Code	Title of the Paper	Instruction Hours / cycle	Exam. Marks			Duration of Exam. Hrs.	Credits
				CIA	ESE	Total		
I	18PBT101	C.P.1 – Biological Chemistry	5	25	75	100	3	5
	18PBT102	C.P.2 – Biostatistics and Bioinstrumentation	5	25	75	100	3	5
	18PBT103	C.P.3 - Cell Biology and Molecular Genetics	5	25	75	100	3	5
	18PBT104	C.P.4 – Microbiology	5	25	75	100	3	5
	18PBT1E1	Major Elective I	5	25	75	100	3	5
	18PBT1CL	C.Pr.1- Lab in Biochemistry, Molecular Genetics and Microbiology	5	40	60	100	6	3
	Total		30	-	-	600	-	28
II	18PBT205	C.P.5 – Genetic Engineering	5	25	75	100	3	4
	18PBT206	C.P.6 – Immunotechnology	5	25	75	100	3	4
	18PBT207	C.P.7 - Animal Biotechnology	5	25	75	100	3	4
	18PBT208	C.P.8 - Environmental Biotechnology	5	25	75	100	3	4
	18PBT2CM	C.Pr.2 - Lab in Molecular Biology and Genetic Engineering	5	40	60	100	6	3
	18PBT2CN	C.Pr.3 - Lab in Immunotechnology, Animal Biotechnology and Environmental Biotechnology	5	40	60	100	6	3
	Total		30	-	-	600	-	22
III	18PBT309	C.P.9 - Bioprocess Technology	5	25	75	100	3	4
	18PBT310	C.P.10 - Plant Biotechnology	5	25	75	100	3	4
	18PBT311	C.P.11 - Nanobiotechnology and Computational Biology	5	25	75	100	3	4
	18PBT3E2	Major Elective II	5	25	75	100	3	5
	18PBT3CO	C.Pr.4 -Lab in Bioprocess Technology, Plant Biotechnology and Bioinformatics	5	40	60	100	6	3
	18PBT3N1	Non-Major Elective I – (On-line)	5	25	75	100	3	5
	18PBT3ST	Summer Training @	-	-	-	-	-	-
	Total		30	165	435	600	-	25
IV	18PBT412	C.P.12 - Genomics, Proteomics & Systems Biology	5	25	75	100	3	5
	18PBT4N2	Non-Major Elective II - (On-line)	5	25	75	100	3	5
	18PBT4Z1	Project Work *	20	40	160*	200	3	5
	Total		30	90	310	400	-	15
			120	-	-	2200	-	90

PBT02

Note: CBCS – Choice Based Credit System; CIA – Continuous Internal Assessment;

ESE – End of Semester Examinations; C.P. - Core Paper; C. Pr. – Core Practical

* Project Report – 140 marks; Viva-voce – 20 marks; Internal – 40 marks

@ The students shall undergo an Internship training/field work for a minimum period of 3 weeks at the end of the fourth semester during summer vacation and submit the report in the fifth semester. The report will be evaluated for 100 marks along with the internal viva voce by the faculty members and HoD. According to their marks, the grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U (Reappear)

Major Elective Papers (2 papers are to be chosen from the following 4 papers)

1. Pharmaceutical Biotechnology
2. Bioethics, Biosafety, IPR, Total Quality Management and Bioentrepreneurship
3. Marine biotechnology
4. Medical Biotechnology

Non-Major Elective Papers (2 papers are to be chosen from the following 2 papers)

1. Competitive Science – I
2. Competitive Science - II
3. Food Technology
4. Cancer Biology

Tally Table:

Part	Subject	No. of Subjects	Total Marks	Credits
I	Core – Theory / Practical / Project	18	1800	70
	Major Elective Paper	2	200	10
	Non Major Elective Paper	2	200	10
	Grand Total	22	2200	90

Advanced Learner's Course (ALC) under self-study scheme (optional)

Subject Code	Title of the Paper	Exam Marks		Duration of Exam (hours)	Credits
		ESE	Total		
18PBT01	ALC.1- Frontier Technologies in Biosciences	100	100	3	2
18PBT02	ALC.2- Stem Cell Technology	100	100	3	2

- 25 % CIA is applicable to all theory subjects. Proportion of CIA and ESE for practical is 40: 60.
- JOCs are optional for earning extra credits and are conducted 4 hours / cycle after college hours.

PBT03**Job Oriented Courses (JOC):**

1. JOC 1 – Plant Tissue Culture and Organic Farming (18PBTJ1)
2. JOC 2 – Herbal Biotechnology (18PBTJ2)

Note: JOC and ALC which are offered at present will be applicable for the students admitted during the academic year 2018-2019 and will be considered as extra credit courses.

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate

1. Theory Examination - Part I, II & III**(i) CIA I & II and ESE: 75 Marks**

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	160	160
K4		20	
K5	Viva voce		

PBT04

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10)	25
	CIA 2	75	15	
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15+15	40
	Regularity		5+5	

KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]

COIMBATORE - 641 029

**MASTER OF SCIENCE IN COMPUTER SCIENCE
CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS**

[APPLICABLE TO THE STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2018-2019 & ONWARDS]

Semester	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
				CIA	ESE	Total		
I	18PCS101	C.P.1 Data Structures using C++	5	25	75	100	3	4
	18PCS102	C.P.2 Data Communications and Networks	5	25	75	100	3	4
	18PCS103	C.P.3 Information Security	5	25	75	100	3	4
	18PCS104	C.P.4 Relational Database Management Systems	5	25	75	100	3	4
	18PCS1CL	C.Pr.1 Data Structures using C++ Lab	5	30	45	75	3	3
	18PCS1CM	C.Pr.2 RDBMS Lab	5	30	45	75	3	3
	Total		30					
II	18PCS205	C.P.5 Advanced Java Programming	4	25	75	100	3	4
	18PCS 206	C.P.6 Wireless Networks	4	25	75	100	3	4
	18PCS 207	C.P.7 .NET Framework	4	25	75	100	3	4
	18PCS 208	C.P.8 Software Project Management	4	25	75	100	3	4
	18PCS2E1	Elective Paper – I	4	25	75	100	3	4
	18PCS2CN	C.Pr.3 Advanced Java Lab	5	30	45	75	3	3
	18PCS2CO	C.Pr.4 .NET Lab	5	30	45	75	3	3
	Total		30					
III	18PCS 309	C.P.9 Open Source Systems	5	25	75	100	3	4
	18PCS 310	C.P.10 Unix and Linux Programming	5	25	75	100	3	4
	18PCS 311	C.P.11 Data Mining and Warehousing	5	25	75	100	3	4
	18PCS 3E2	Elective Paper - II	5	25	75	100	3	4
	18PCS 3Z1	Mini Project	---	15	60*	75	3	3
	18PCS3CP	C.Pr.5 Open Source Lab	5	30	45	75	3	3
	18PCS3CQ	C.Pr.6 Unix and Linux Programming Lab	5	30	45	75	3	3
	Total		30					

IV	18PCS412	C.P.12 Software Testing	5	25	75	100	3	4
	18PCS4E3	Elective Paper - III	5	25	75	100	3	4
	18PCS4CR	C.Pr.7 Software Testing Lab	5	30	45	75	3	3
	18PCS4Z2	Project and Viva-Voce	15	40	160**	200	3	6
	Total		30					
GRAND TOTAL			120			2300		90

*Project Record – 45 and Viva-Voce – 15

**Project Record – 120 and Viva-Voce – 40

Major Elective Papers :

1. Big Data Analytics
2. Network Security And Cryptography
3. Bio Inspired Computing
4. Advanced Computing
5. Green Computing
6. Enterprise Web Services
7. Artificial Intelligence and Expert Systems.
8. Computational Intelligence
9. Distributed Systems

Tally Table:

S.No.	Part	Subject Groups	Marks	Credits
1.	III	Core Theory	1200	48
		Electives	300	12
		Practicals	525	21
		Mini Project	75	3
		Project	200	6
Total			2300	90

Note :

CBCS – Choice Based Credit System

CIA - Continuous Internal Assessment

ESE - End of Semester Examinations

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1-Remember; K2-Understanding; K3-Apply; K4-Analyze; K5-Evaluate

1. Theory Examination - Part I, II & III

(i) CIA I & II and ESE: 75 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	75
K2 Q11 to 15	B (Either or pattern)	5 x 5 = 25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8 = 40	Descriptive / Detailed	

(ii) CIA I & II and ESE: 55 Marks

Knowledge Level	Section	Marks	Description	Total
K1 Q1 to 10	A (Answer all)	10 x 1 = 10	MCQ	55
K2 Q11 to 15	B (Either or pattern)	5 x 3 = 15	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 6 = 30	Descriptive / Detailed	

2. Practical Examination:

Knowledge Level	Section	Marks	Total
K3	Experiments	50	60
K4		10	
K5	Record Work		

3. Project Viva Voce:

Knowledge Level	Section	Marks	Total
K3	Project Report	60	80
K4		20	
K5	Viva voce		

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75 = 150/10)	25
	CIA 2	75		
	Assignment/Seminar		5	
	Attendance		5	
Practical	CIA Practical		25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

QUESTION PAPER PATTERN for CIA and ESE

M.Sc Computer science (PG)

Theory

Max Marks: 75

Time: 3Hrs

Section A (10 x 1 = 10 marks)

Q.No. 1 to 10 : Multiple choice type alone with four distractors each.

Section B (5 x 5 = 25 marks)

Q.No. 11 to 15 : Either or / short notes type questions (one question 'a' or 'b' from each unit).

Section C (5 x 8 = 40 marks)

Q.No. 16 to 20 : Either or / essay type questions (one question 'a' or 'b' from each unit).

PCM01

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE - 641 029**

**MASTER OF COMMERCE - M.COM
CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS
(Applicable to Students admitted from the Academic Year 2018-2019 onwards)**

Semester	Subject Code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hrs)	Credits
				CIA	ESE	Total		
I	18PCM101	C.P.1 Financial Management	6	25	75	100	3	5
	18PCM102	C.P.2 Global Business Environment	6	25	75	100	3	5
	18PCM103	C.P.3. Human Resource Management	6	25	75	100	3	5
	18PCM104	C.P.4. Organizational Behaviour	6	25	75	100	3	5
	18PCM1N1	Non-Major Elective I	6	25	75	100	3	5
Total (i)			30	125	375	500	-	25
II	18PCM205	C.P.5. Advanced Corporate Accounting	6	25	75	100	3	5
	18PCM206	C.P.6.Security Analysis and Portfolio Management	6	25	75	100	3	5
	18PCM207	C.P.7 Management of Small Enterprises	6	25	75	100	3	5
	18PCM208	C.P.8. Industrial Relations and Labour Law	6	25	75	100	3	5
	18PCM2N2	Non-Major Elective-II	6	25	75	100	3	5
Total (ii)			30	125	375	500	-	25
III	18PCM309	C.P.9 Applied Cost Accounting	5	25	75	100	3	4
	18PCM310	C.P.10 Income Tax Law and Practice	5	25	75	100	3	4
	18PCM311	C.P.11 International Trade	5	25	75	100	3	4
	18PCM312	C.P.12 Business Research Methods	5	25	75	100	3	4
	C.Pr.1 Computer Application and Practicals		4	--	--	--	--	--
	18PCM3E1	Major Elective I	6	25	75	100	3	5
Total (iii)			30	125	375	500	-	21
IV	18PCM413	C.P.13 Management Accounting	4	25	75	100	3	3
	18PCM414	C.P.14 Customs Duty and Goods and Services Tax	4	25	75	100	3	3
	18PCM415	C.P.15 Marketing Research	3	25	75	100	3	2
	18PCM4CL	C.Pr.1Computer Application and Practicals	5	40	60	100	3	2
	18PCM4E2	Major Elective-II	6	25	75	100	3	5
	18PCM4Z1	Project Work and Viva - Voce	8	40	160*	200	3	4
	Total (iv)		30	80	520	700	-	19
	Total (i+ii+iii+iv)	-	555	1645	2200	-	90	

* Project Report 120 Marks, Viva Voce 40 Marks

PCM02
Major Elective Papers

1. Bank Management
2. Executive Communication
3. Services Marketing
4. Consumer Behaviour
5. Insurance and Risk Management
6. International Marketing

Two Major Elective Papers are to be selected by the Students from 6 papers assigned to be elective papers in their III and IV Semesters.

Non - Major Elective Papers

1. Economic Policies and Business
2. Managerial Economics
3. Management of Financial Services
4. Cyber Crimes and Law

Two Non-Major Elective papers are to be selected by the Students from 4 papers assigned to be Non-Major Elective papers in their I and II Semesters

TALLY TABLE:

Sl No.	SUBJECT	TOTAL MARKS
1	Core	1800
2	Non Major Elective 1 & 2	200
3	Major Elective 1 & 2	200
	TOTAL MARKS	2200

CBCS – Choice Based Credit System
CIA – Continuous Internal Assessment
JOC – Job Oriented Course

ALC – Advanced Learners Course
ESE – End Semester Examinations

ADVANCED LEARNER COURSE UNDER SELF STUDY SCHEME (ALC)-OPTIONAL

Subject code	Title of the Paper	ESE Marks	Duration of Exam Hours	Credits
18PCM0D1	ALC-1 – Banking and Financial Services	100	3	2
18PCM0D2	ALC-2- Insurance Principles and Practice	100	3	2
18PCM0D3	ALC-3- Advertising Management	100	3	2

PCM03

JOB ORIENTED COURSES (JOC) -OPTIONAL

Subject code	Title of the Paper	ESE Marks	Duration of Exam Hours	Credits
18PCM0J1	JOC-1 Customer Relationship Management	100	3	2
18PCM0J2	JOC -2 Tally 9.0 Practical	100	3	2
18PCM0J3	JOC -3 Share Trading Operations	100	3	2

- ❖ 25% CIA is applicable to all subjects except JOC, ALC, COP and Diploma Courses, which are considered as extra credit courses. Theory and proportion of CIA and ESE for Practical is 40:60
- ❖ A List of COP, ALC, Diploma, PG Diploma is available in the College Handbook.

BLOOM'S TAXONOMY BASED ASSESSMENT PATTERN

K1- Remember ; **K2-** Understand; **K3-** Apply; **K4-** Analyze; **K5-** Evaluate

1. Theory Examination: Part I, II & III

(i) CIA I& II and ESE: 75 Marks

Knowledge level	Section	Marks	Description	Total
K1 Q1 to10	A (Answer all)	10 x 1=10	MCQ	75
K2 Q11 to 15	B (either or pattern)	5 x 5=25	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 8=40	Descriptive / detailed	

ii. ALC /JOC/PG Diploma: 100 marks (For ESE only)

Knowledge level	Section	Marks	Description	Total
K1 Q1 to10	A (Answer all)	10 x 1=10	MCQ	100
K2 Q11 to 15	B (either or pattern)	5 x 6=30	Short Answers	
K3 & K4 Q16 to 20	C (Either or pattern)	5 x 12=60	Descriptive / detailed	

PCM04

2. Practical Examination: 100 marks (60:40)

ESE (60 marks)

Knowledge Level	Section	Marks	Total
K3	Experiments	*50	60
K4	Record Work	10	
K5			

* Program 1: 25 marks & Program 2: 25 marks

3. Project Viva Voce: 200 marks (160:40)

ESE (160 marks)

Knowledge Level	Section	Marks	Total
K3	Project Report	120	160
K4			
K5	Viva Voce	40	

* Project work commences from III semester and submission of report and Viva-Voce Examination is conducted at the end of IV semester. The Internal (Faculty of the Department) and External Examiners will award marks for comprehensive Viva-Voce and Project Report jointly.

Components of Continuous Internal Assessment

Components			Marks	Total
Theory	CIA 1	75	(75+75=150 /10)	25
	CIA 2	75	15	
Assignment/ Seminar			5	
Attendance			5	
Practical	CIA	Practical	*25	40
	Observation Notebook		10	
	Attendance		5	
Project	Review		15	20
	Regularity		5	

* Program 1: 10 marks & Program 2 : 15 marks