

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

COIMBATORE – 641 029



Prospectus with number of Courses in all Programs for the Academic Year 2017-2018

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(2017 – 2018)

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

Course Name :- B.A.English Literature

Curriculum and Scheme of Examination under CBCS

(Applicable to students Admitted from the Academic Year 2017-2018 onwards)

Model Scheme of Examinations (With 4 Semesters Language Papers)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	15TML101@	Language I/ Tamil/ Malayalam/Hindi/ French	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	15UEL101	Core I-Prose	6	25	75	100	3	4
		16UEL102	Core II-Fiction	5	25	75	100	3	4
		15UEL1A1	Allied I: Social History of England	5	25	75	100	3	5
	IV	15EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	15TML202@	Language II Tamil/ Malayalam/Hindi/ French	6	25	75	100	3	3
	II	15ENG202	English II	6	25	75	100	3	3
	III	15UEL203	Core I II- Grammar and Usage	6	25	75	100	3	4
		15UEL204	Core I V-Drama	5	25	75	100	3	4
		15UEL2A2	Allied II: Literary Forms	5	25	75	100	3	5
	IV	15VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
III	I	15TML303@	Language III Tamil/ Malayalam/Hindi/French	6	25	75	100	3	3
	II	15ENG303	English III	6	25	75	100	3	3
	III	15UEL305	Core V- Poetry I	4	25	75	100	3	4
		15UEL306	Core VI- Introduction to Phonetics	5	25	75	100	3	4
		15UEL3A3	Allied III: History of English Literature	5	25	75	100	3	5
	IV	15UGA3S1	Skill Based Subject: I General Awareness	2	25	75	100	3	3
		15UEL3N1/ 15TBT301/ 15TAT301	Basic Tamil*/ Advanced Tamil** (OR) Non-Major Elective-I**	2	-	75		75	3

Sem	Part	Subject code	Title of the Paper	Instruction hours	Marks			Hrs of Exam	Credit
					CIA	ESE	Total		
IV	I	15TML404@	Language IV Tamil/ Malayalam/Hindi/ French	6	25	75	100	3	3
	II	15ENG404	English IV	6	25	75	100	3	3
	III	15UEL407	Core VII-Poetry II	5	25	75	100	3	4
		15UEL408	Core VIII-Indian Writing in English	4	25	75	100	3	4
		17UEL4A4	Allied IV: Introduction to Journalism	5	25	75	100	3	5
	IV	15UEL4S2	Skill Based Subject: II Personality Development	2	25	75	100	3	3
		15UEL4N2/ 15TBT402/ 15TAT402	Basic Tamil*Advanced Tamil**(OR) Non-Major Elective-II**	2	-	75	75	3	2
V	I	15UEL509	Core IX-Shakespeare I	5	25	75	100	3	4
	II	15UEL510	Core X- American Literature	6	25	75	100	3	4
	III	15UEL511	Core XI-Literary Criticism	6	25	75	100	3	4
		17UEL512	Core XII-Introduction to Travel Writing	6	25	75	100	3	4
		16UEL5E1	Major Elective I	5	25	75	100	3	5
	IV	15UEL5S3	Skill Based Subject: III Inspiring Speeches	2	25	75	100	3	3
VI	I	15UEL613	Core XIII-Shakespeare II	6	25	75	100	3	3
	II	15UEL614	Core XIV-Indian Literature in English Translation	6	25	75	100	3	3
	III	15UEL615	Core XV- Women's Writings in English	6	25	75	100	3	3
		15UEL616	Core XVI-New Literature in English	5	25	75	100	3	3
		16UEL6Z1	Project and Viva Voce	-	-	-	100	3	5
		17UEL6E2`	Major Elective II	5	25	75	100	3	5
	IV	15UEL6S4	Skill Based Subject: IV English Language Teaching	2	25	75	100	3	3
	V	\$\$	Extension Activities *	-	50	-	50	-	1
			Total	180			3800		140

* - 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

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

1. English for Competitive Examinations

2. Children's Literature

3. Indian Feministic Literature

4. Intensive Study of an Author

5. Classical Literature in Translation

6. Ethics in Literature

Non-Major Elective Papers

1. Human Rights

2. Women's Rights

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/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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COIMBATORE – 641 029

B.Sc. MATHEMATICS

Curriculum & Scheme of Examination under CBCS

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2017-2018 & ONWARDS)

Semester	Subject Code/ Question Paper Code	Part		Title of the Paper	Instruction Hours	Exam. Marks			\$ Duration of Exam.	Credits
						CIA	ESE	Total		
I	17TML101 [@]	I	LAN	Tamil I/ Hindi I / Malayalam I/ French I /Sanskrit I	6	25	75	100	3	3
	15ENG101	II	LAN	English I	6	25	75	100	3	3
	15UMA101	III	CP 1	Classical Algebra	4	25	75	100	3	4
	15UMA102	III	CP 2	Calculus	5	25	75	100	3	4
	17UMA1I1	III	AP A1	Statistics I	7	25	75	100	3	5
	15EVS101	IV	EVS	Environmental Studies**	2	-	50	50	3	2
II	17 TML202 [@]	I	LAN	Tamil II/ Hindi II / Malayalam II/ French II/Sanskrit II	6	25	75	100	3	3
	15ENG202	II	LAN	English II	6	25	75	100	3	3
	17UMA203	III	CP 3	Differential Equations and Laplace Transforms	4	25	75	100	3	4
	17UMA204	III	CP 4	Trigonometry, Vector calculus and Fourier Series	5	25	75	100	3	4
	17UMA2I2	III	AP A2	Statistics II	7	25	75	100	3	5
	15VED201	IV	VED	Value Education -Moral and Ethics**	2	-	50	50	3	2
III	17TML303 [@]	I	LAN	Tamil III/ Hindi III / Malayalam III/ French III/ Sanskrit III	6	25	75	100	3	3
	15ENG303	II	LAN	English III	6	25	75	100	3	3
	15UMA305	III	CP 5	Analytical Geometry	4	25	75	100	3	4
	17UMA306	III	CP 6	Statics	3	25	75	100	3	4
	15UPH3A1	III	AP B1	Physics I Theory	5	20	55	75	3	4
	-	III	APr 1	Physics I Practical	2	-	-	-	-	-
	15UGA3S1	IV	SBS 1	General Awareness (online)	2	25	75	100	3	3
	17TBT301 / 17TAT301/ 15UHR3N1		NMEP 1	Basic Tamil * / Advanced Tamil **/ Non - Major Elective Paper- I ** Human Rights	2	-	75	75	3	2

IV	17TML404 @	I	LAN	Tamil IV/ Hindi IV / Malayalam IV / French IV/Sanskrit IV	6	25	75	100	3	3
	16ENG404	II	LAN	English IV	6	25	75	100	3	3
	15UMA407	III	CP 7	Graph Theory	3	25	75	100	3	4
	17UMA408	III	CP 8	Dynamics	4	25	75	100	3	4
	15UPH4A2	III	AP B2	Physics II – Theory	5	20	55	75	3	4
	15UPH4AL	III	A Pr 1	Physics – Practical	2	20	30	50	3	2
	17UMA4S2	IV	SBS 2	Theory of Numbers	2	25	75	100	3	3
	17TBT402 / 17TAT402 / 15WHR4N2	IV	NMEP 2	Basic Tamil * / Advanced Tamil **/ Non - Major Elective Paper- II ** Women's Rights	2	-	75	75	3	2
V	15UMA509	III	CP 9	Real Analysis I	5	25	75	100	3	3
	15UMA510	III	CP 10	Complex Analysis I	6	25	75	100	3	4
	15UMA511	III	CP 11	Modern Algebra I	6	25	75	100	3	4
	15UMA512	III	CP 12	Programming in C- Theory	4	25	75	100	3	3
	15UMA5CL	III	C Pr 1	Programming in C- Practical	2	40	60	100	3	2
	15UMA5E1	I	MEP 1	Major Elective Paper	5	25	75	100	3	5
	17UMA5S3	IV	SBS 3	Fundamentals of LaTeX- Theory	2	25	75	100	3	3
VI	15UMA613	III	CP 13	Real Analysis II	6	25	75	100	3	4
	15UMA614	III	CP 14	Complex Analysis II	6	25	75	100	3	4
	15UMA615	III	CP 15	Modern Algebra II	6	25	75	100	3	4
	16UMA6E2	III	MEP 2	Major Elective Paper	5	25	75	100	3	5
	16UMA6E3	III	MEP 3	Major Elective Paper	5	25	75	100	3	5
	17UMA6S4	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			3800		140

@ Hindi -15HIN101/202/303/404

French -15FRN101/202/303/404

Malayalam -15MLM101/202/303/404

Sanskrit -15SAN101/202/303/404

\$\$ NCC – 15NCC101

NSS – 15NSS101

Sports – 15PYE101

YRC – 15YRC101

\$ 3 = 3 hours

* No End of semester examinations. Only CIA

** No CIA. Only End of semester examinations

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

MAJOR ELECTIVE PAPERS

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

1. Discrete Mathematics and Automata Theory
2. Operations Research
3. Numerical Methods
4. Linear Algebra
5. Business Application Software
6. Astronomy

NON-MAJOR ELECTIVE PAPERS

1. Human Rights
2. Women's Rights

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.

UPH1

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 2017 –2018 ONWARDS)

Semester	Part	Subject code	Title of the Paper	Instruction hours / cycle	Exam. Marks			Duration of Exam. Hrs.	Credit
					CIA	ESE	Total		
I	I	15TML103®	LAN –Tamil I/Hindi I/ French I / Malayalam I / Sanskrit I	6	25	75	100	3	3
	II	15ENG101	LAN–English I	6	25	75	100	3	3
	III	15UPH101	C.P.1– Properties of Matter and Sound	6	25	75	100	3	5
		15UPH2CL	C.Pr.1-Practical I	3	-	-	-	-	-
		15UMA1A1	Allied Subject I Mathematics – I	7	25	75	100	3	5
	IV	15EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	15TML202®	LAN- Tamil II / Hindi II/ French II /Malayalam II / Sanskrit III	6	25	75	100	3	3
	II	15ENG202	LAN- English II	6	25	75	100	3	3
	III	15UPH202	C.P.2 – Heat and Thermodynamics	6	25	75	100	3	5
		15UPH2CL	C.Pr.1-Practical I	3	40	60	100	3	2
		15UMA2A2	Allied Subject I Mathematics –II	7	25	75	100	3	5
	IV	16VED201	Value Education Moral and Ethics**	2	50		50	3	2
III	I	15TML303®	LAN - Tamil III/Hindi III/ French III / Malayalam III / Sanskrit III	6	25	75	100	3	3
	II	15ENG303	LAN –English III	6	25	75	100	3	3
	III	15UPH303	C.P.3 – Mechanics	4	25	75	100	3	5
		15UPH4CM	C.Pr.2 Practical II	3	-	-	-	-	-
		15UCH3A3	Allied Subject II Chemistry –I	4	20	55	75	3	4
		15UCH4AL	Allied Practical Chemistry Practical	3	-	-	-	-	-
	IV	15UGA3S1	Skill based Subject 1 – General Awareness	2	25	75	100	3	3
	IV	17TBT301/ 17TAT301/ 17UHR3N1	Basic Tamil*/Advanced Tamil** / Non Major Elective-I**	2	75		75	3	2

UPH2

IV	I	15TML404 [@]	LAN – Tamil IV/Hindi IV/ French IV / Malayalam IV Sanskrit IV	6	25	75	100	3	3
	II	15ENG404	LAN – English IV	6	25	75	100	3	3
	III	15UPH404	C.P.4 – Electricity and Magnetism	4	25	75	100	3	5
		15UPH4CM	C.Pr.2 – Practical II	3	40	60	100	3	2
		15UCH4A4	Allied Subject II Chemistry –II	4	20	55	75	3	4
		15UCH4AL	Allied Practical Chemistry Practical	3	20	30	50	3	2
	IV	15UPH4S2	Skill based Subject –2 Medical Instrumentation	2	25	75	100	3	3
		17TBT402/ 17TAT402/ 17UWR4N2	Basic Tamil* / Advanced Tamil** / Non Major Elective- II**	2	-	75	75	3	2
V	III	15UPH505	C.P.5 – Astrophysics	4	25	75	100	3	4
		15UPH506	C.P.6 – Optics and Laser Physics	4	25	75	100	3	4
		15UPH507	C.P.7 – Principles of Electronic Devices and Circuits	4	25	75	100	3	4
		15UPH508	C.P.8 – Quantum Mechanics and relativity	4	25	75	100	3	5
		17UPH5E1	Major Elective Paper – I Principles of Communication Systems / Mathematical Physics	4	25	75	100	3	5
		15UPH6CN	C.Pr.3 – Practical III - General	3	-	-	-	-	-
		15UPH6CO	C.Pr.4 – Practical IV - Electronics , Digital Electronics and Microprocessors	2	-	-	-	-	-
		15UPH6CP	C.Pr.5 – Practical V - Programming in C	2	-	-	-	-	-
	IV	15UPH5S3	Skill Based Subject 3 - Programming in C	3	25	75	100	3	3
VI	III	15UPH609	C.P.9 – Atomic and Solid State Physics	4	25	75	100	3	4
		15UPH610	C.P.10 – Fundamentals of Digital Electronics	4	25	75	100	3	4
		15UPH611	C.P.11 – Nuclear Physics	4	25	75	100	3	5
		17UPH6E2	Major Elective Paper - II Energy Sources and Nanoscience / Object oriented programming in C++	4	25	75	100	3	5

UPH3

		17UPH6E3	Major Elective Paper - III Electronic Instrumentation / Introduction to Biophysics	4	25	75	100	3	5
		15UPH6CN	C.Pr.3 Practical III - General	3	40	60	100	3	2
		15UPH6CO	C.Pr.4 – Practical IV - Electronics , Digital Electronics and Microprocessors	2	40	60	100	3	2
		15UPH6CP	C.Pr.5 – Practical V – Programming in C	2	40	60	100	3	2
	IV	15UPH6S4	Skill Based Subject 4 – Introduction to Microprocessor	3	25	75	100	3	3
	V	12NCC/NSS/Y RC/PYE101\$\$	Extension Activities*	-	50	-	50	-	1
			Total	180			3800		140

@ Malayalam – 15MLM 101 - 404

@ Hindi/ French/ Sanskrit – 15HIN/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

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

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	12
2	II	English	400	12
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 ASSESMENT
- ESE–END OF SEMESTER EXAMINATION

1. Break up Marks for CIA of Theory

CIA Exam	-	15
Assignment	-	5
Attendance	-	5
<hr/>		
Total		25
<hr/>		

2. Components of Practical :**Break up Marks for CIA of Practical**

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	5
<hr/>		
Total		40
<hr/>		

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
<hr/>		
Total		60
<hr/>		

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 types alone with four distracters each

Section B (5x 5 =25 marks)

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

Section C (5x 8 =40 marks)

Q. No. 16 to 20: 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')

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

Coimbatore – 641 029

B.Sc., CHEMISTRY

Curriculum and Scheme of Examination under CBCS

(Applicable to the Students Admitted during the Academic Year 2017- 2018 and onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction Hours/ Cycle	Exam Marks			Duration of Exam (Hours)	Credits
					CIA	ESE	Total		
I	I	16TML101	Language I@	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	17UCH101	Core Chemistry Paper I Inorganic, Organic & Physical Chemistry - 1	6	25	75	100	3	5
			Core Chemistry Practical I Inorganic qualitative analysis & Preparations	3	-	-	-	-	-
		15UMA1A2/ 16UZO1A1	Allied Mathematics Paper I/ Allied Zoology Paper I	7/5	25/ 20	75/ 55	100/75	3	5/ 4
			Allied Zoology Practical	2	-	-	-	-	-
	IV	15EVS101	Environmental Studies* *	2	-	50	50	3	2
II	I	15TML202	Language II@	6	25	75	100	3	3
	II	15ENG202	English II	6	25	75	100	3	3
	III	17UCH202	Core Chemistry Paper II Inorganic, Organic & Physical Chemistry - 2	6	25	75	100	3	5
		15UCH2CL	Core Chemistry Practical I Inorganic qualitative analysis & Preparations	3	40	60	100	3	2
		15UMA2A2/ 16UZO2A2	Allied Mathematics Paper II/Allied Zoology Paper II	7/5	25/ 20	75/ 55	100/75	3	5/ 4
		15UZO2AL	Allied Zoology Practical	2	20	30	50	3	2
	IV	15VED201	Value Education-Moral & Ethics* *	2	-	50	50	3	2
III	I	15TML303	Language III @	6	25	75	100	3	3

	II	15ENG303	English III	6	25	75	100	3	3
	III	17UCH303	Core Chemistry Paper III Inorganic, Organic & Physical Chemistry - 3	4	25	75	100	3	4
			Core Chemistry Practical II Volumetric and Organic qualitative analysis	3	-	-	-	-	-
		15UPH3A1	Allied Physics Paper I	4	20	55	75	3	4
			Allied Physics Practical I	3	-	-	-	-	-
	IV	15UGA3S1	Skill Based Subject 1 General Awareness (on line)	2	25	75	100	3	3
		15TBT301/15TAT301/ 15UHR3N1	Basic Tamil*/ Advanced Tamil**/ Non Major elective -I ** (Human Rights)	2	75		75	3	2
IV	I	16TML404	Language IV @	6	25	75	100	3	3
	II	16ENG404	English IV	6	25	75	100	3	3
	III	17UCH404	Core Chemistry paper IV Inorganic, Organic & Physical Chemistry - 4	4	25	75	100	3	4
		15UCH4CM	Core Chemistry Practical II Inorganic volumetric and organic qualitative analysis	3	40	60	100	6	3
		15UPH4A2	Allied Physics Paper II	5	20	55	75	3	4
		15UPH4AL	Allied Physics Practical I	2	20	30	50	3	2
	IV	17UCH4S2	Skill Based Subject 2 Water chemistry	2	25	75	100	3	3
	IV	15TBT402/15TAT402/ 15UWR4N2	Basic Tamil*/ Advanced Tamil**/ Non Major elective -II** (Women's Rights)	2		75	75	3	2
	III	17UCH505	Core Chemistry Paper –V Spectroscopy and chromatographic techniques	3	25	75	100	3	3
		15UCH506	Core Chemistry Paper –VI Inorganic Chemistry – 1	4	25	75	100	3	4
		17UCH507	Core Chemistry Paper –VII Organic Chemistry	4	25	75	100	3	4

V		17UCH508	Core Chemistry Paper –VIII Physical Chemistry - 1	4	25	75	100	3	4
		15UCH5E1	Major Elective 1	3	25	75	100	3	5
		15UCH6CN	Core Chemistry Practical –III Gravimetric Analysis	3	-	-	-	-	-
		15UCH6CO	Core Chemistry Practical–IV Physical Chemistry Experiments	4	-	-	-	-	-
		15UCH6CP	Core Chemistry Practical –V Application Oriented practicals	3	-	-	-	-	-
	IV	15UCH5S3	Skill Based Subject-3 Chemical Industry	2	25	75	100	3	3
VI	III	17UCH609	Core Chemistry Paper-IX Inorganic Chemistry - 2	4	25	75	100	3	4
		17UCH610	Core Chemistry Paper-X Chemistry of natural products and chemotherapy	4	25	75	100	3	4
		15UCH611	Core Chemistry Paper-XI Physical Chemistry - 2	4	25	75	100	3	4
		17UCH6E1	Major Elective – 2	3	25	75	100	3	5
		15UCH 6Z1	Project***	4	20	80	100	-	5
		15UCH6CN	Core Chemistry Practical –III Gravimetric Analysis	3	40	60	100	3	3
		15UCH6CO	Core Chemistry Practical–IV Physical Chemistry Experiments	3	40	60	100	3	3
		15UCH6CP	Core Chemistry Practical –V Application Oriented practicals	4	40	60	100	3	4
	IV	15UCH6S4	Skill Based Subject- 4 Food chemistry	2	25	75	100	3	3
	V	15NCC/NSS/YRC/ PYE101	Extension Activities *	-	50	-	50	-	1

@ Hindi/Malayalam/French/Sanskrit – 15HIN/15MLN/15FRN/15SAN101 – 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

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

TALLY TABLE

PART	SUBJECT	TOTAL MARKS	TOTAL CREDIT POINTS
Part I	Lang-Tamil/Hindi/ Malayalam/ French/Sanskrit	400	12
Part II	Lang-English	400	12
Part III	Core-Theory/Practical/Project	1600	60
	Allied.....	400	20(10+10)
	Elective.....	300	15(5+5+5)
Part IV	Basic Tamil/ Advanced Tamil/ Non Major elective.....	150	4
	Skill Based Subject.....	400	12
	Environmental Studies.....	50	2
	Value Education.....	50	2
Part V	Extension Activities (NSS/NCC/Sports/YRC)	50	1
Grand Total		3800	140

Note :

CBCS - Choice Based Credit System

CIA - Continuous Internal Assessment

ESE - End of Semester Examinations

JOC, COP and Diploma Courses are considered as extra credit courses.

JOC - Textile chemistry

MARK DISTRIBUTION

I. THEORY PAPERS- INTERNAL (25 Marks)

CIA Examination	15
Assignment	5
Attendance	5
Total	25

II. PRACTICAL PAPERS - INTERNAL (40 Marks)

CIA-Examination	25
Observation	10
Attendance	05
Total	40

Distribution of questions and question paper pattern for End Semester Examination and CIA examinations (theory papers only)

SECTION	No. of Questions per unit	Marks per Question	Total No. of Questions	Total Marks 75/55
A (Multiple Choice)	2	1	10	10/10
B (Paragraph answer) either or type	2	5	10	25\15
C (Essay type) either or type	2	8	10	40/30
Total marks				75/55

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE - 641 029
B.Sc., BOTANY
Curriculum & Scheme of Examination under CBCS
(APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR (2017-2018))

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credit
					CIA	ESE	Total		
I	I	17TML101	Part-I -Lang -Tamil-I /Hindi-I /French –I / Malayalam – I / Sanskrit - I	6	25	75	100	3	3
	II	15ENG101	Part – II - English - I	6	25	75	100	3	3
	III	17UBO101	C.P.1- Biodiversity-I (Bacteria, Virus, Algae, Fungi, Lichens & Plant Pathology)	7	25	75	100	3	4
		15UZO1A1	Allied -1 Zoology – I	5	20	55	75	3	4
			C.Pr.1 - Plant Diversity – I	2	-	-	-	-	-
			Allied Pr. Zoology – 1	2	-	-	-	-	-
	IV	15EVS101	Environmental studies**	2	-	50	50	3	2
II	I	17TML202	Part – I- Tamil–II /Hindi–II /French–II / Malayalam-II / Sanskrit - II	6	25	75	100	3	3
	II	15ENG202	Part- II- English - II	6	25	75	100	3	3
	III	17UBO202	C.P.2- Plant Diversity-II (Bryophytes, Pteridophytes, Gymnosperms & Paleobotany)	7	25	75	100	3	4
		17UZO2A2	Allied - 2 Zoology - 2	5	20	55	75	3	4
		17UBO2CL	C.Pr.1 - Biodiversity - 1 & Plant Diversity -II	2	40	60	100	3	2
		16UZO2AL	Allied. Pr. Zoology	2	20	30	50	3	2
	IV	15VED201	Value Education - Moral and Ethics**	2	-	50	50	3	2
III	I	17TML303	Part–I–Tamil–III /Hindi- III / French- III / Malayalam – III / Sanskrit - III	6	25	75	100	3	3
	II	15ENG303	Part – II -Lang – English - III	6	25	75	100	3	3
	III	17UBO303	C.P. 3 - Anatomy and Embryology of Angiosperms.	5	25	75	100	3	4
		15UCH3A3	Allied – 3 – Chemistry - 1	5	20	55	75	3	4
			C. Pr. 2 - Anatomy and Embryology of Angiosperms	2	-	-	-	-	-
			Allied – Pr. – Chemistry	2	-	-	-	-	-
	IV	15UGA3S1	Skill based subject –I General awareness	2	25	75	100	3	3
		16TBT301/ 16TAT301/ 16UHR3N1	Basic Tamil* / Advanced Tamil**/ Non Major Elective – Human Rights**	2	-	75	75	3	2
IV	I	17TML404	Part-I–Tamil–IV / Hindi-IV / French - IV/ Malayalam – IV / Sanskrit - IV	6	25	75	100	3	3

	II	17ENG404	Part-- II -Lang – English IV	6	25	75	100	3	3	
	III III	17UBO404	C.P.4- Biostatistics and Biophysics	5	25	75	100	3	4	
		15UCH4A4	Allied 4 – Chemistry - 2	5	20	55	75	3	4	
		17UBO4CM	C. Pr. 2 – Anatomy & Embryology / Biostatistics & Biophysics	2	40	60	100	3	2	
		15UCH4AL	Allied Pr. Chemistry.	2	20	30	50	3	2	
		IV	15UBO4S2	Skill based subject-II Plant Tissue culture concept and applications	2	25	75	100	3	3
	16TBT401/ 16TAT402 16UWR4N2		Basic Tamil*/ Advanced Tamil**/ Non Major Elective – Women Rights**	2	-	75	75	3	2	
	V	III	17UBO505	C.P. 5 – Fundamentals of Computer and Bioinformatics	4	25	75	100	3	4
			17UBO506	C.P. 6 - Taxonomy of Angiosperms & Economic Botany	5	25	75	100	3	5
17UBO507			C.P.7 - Cytology, Genetics and Plant Breeding.	4	25	75	100	3	5	
17UBO508			C.P. 8 - Plant Ecology, Phytogeography and Resource Conservation	4	25	75	100	3	5	
17UBO5E1			Elective – I	3	25	75	100	3	5	
15UBO5CN			C.Pr.3 – Fundamentals of Computer and Bioinformatics	4	40	60	100	3	2	
			C.Pr. 4 - Taxonomy of Angiosperms, Economic Botany, Cytology, Genetics and Plant Breeding, Plant Ecology, Plant Geography and Resource Conservation	4	-	-	-	-	-	
IV		16UZO5X1/ 17UBC5X1/ 16UBT5X1	EDC – Extra Departmental course	2	25	75	100	3	3	
		15UBO5IT	Internship Training	Grade****						
VI	III	17UBO609	C.P.9 - Horticulture	5	25	75	100	3	5	
		17UBO610	C.P.10- Biochemistry	5	25	75	100	3	5	
		17UBO611	C.P.11- Plant Physiology	5	25	75	100	3	5	
		15UBO6CO	C.Pr. 4- Taxonomy of Angiosperms, Economic Botany, Cytology, Genetics and Plant Breeding, Plant Ecology, Plant Geography and Resource Conservation		40	60	100	3	2	
		17UBO6CP	C. Pr. 5 – Horticulture, Biochemistry and Plant physiology	4	40	60	100	3	2	
		17UBO6E2	Elective- II	5	25	75	100	3	5	
		15UBO6Z1	Project***	4	20	80	100	-	5	
		17UBO6S4	Skill based Subject-IV- Cultivation and Marketing of Medicinal plants	2	25	75	100	3	3	
		15NCC/NSS/ YRC/PYE101	Extension activity *	-	50	-	50	-	1	

@ 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. Medicinal plants
3. Food science
4. Seed biology
5. Biotechnology
6. Pharmacognosy

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

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	Molecular Diagnostics	Biotechnology

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/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 (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.

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

Curriculum and scheme of Examination under CBCS

(Applicable to students Admitted from the Academic Year 2017 - 2018 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		
I	I	16TML101	Language I@	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	17UZO101	Core 1-Non-Chordata	7	25	75	100	3	5
	III	15UZO111 15UBO1A1	Allied 1- Sericulture I / Botany I	5	20	55	75	3	4
			C.Pr. 1- Non Chordata and Chordata	2	-	-	-	-	-
			Allied Pr. 1. Sericulture	2	-	-	-	-	-
	IV	15EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	15TML202	Language II@	6	25	75	100	3	3
	II	15ENG202	English -II	6	25	75	100	3	3
	III	17UZO202	Core 2-Chordata	7	25	75	100	3	5
	III	15UZO212 15UBO2A2	Allied 2- Sericulture II / Botany II	5	20	55	75	3	4
		15UZO2CL	C.Pr. 1- Non Chordata and Chordata (Based on core subjects I & II semesters)	2	40	60	100	3	2
		15UZO2IL 15UBO2AL	Allied Pr. 1. Sericulture / Botany	2	20	30	50	3	2
	IV	15VED201	Value Education- Moral and Ethics **	2	-	50	50	3	2
III	I	15TML303	Language III@	6	25	75	100	3	3
	II	15ENG303	English -III	6	25	75	100	3	3
	III	15UZO303	Core 3- Physiology	5	25	75	100	3	5
	III	15UBC 3A3	Allied 3- Biochemistry	5	20	55	75	3	4
			C.Pr. 2- Physiology and Cell Biology and Physiology	2	-	-	-	-	-
			Allied Pr. 2. Biochemistry	2	-	-	-	-	-
	IV	15UGA3S1	Skill Based subject 1- General Awareness	2	25	75	100	3	3
IV		15TBT301/ 15TAT301/	Basic Tamil* / Advanced Tamil** (OR) Non-major	2	-	75	75	3	2

APPROVED BY THE ACADEMIC COUNCIL

Date: 24/3/17 Item No: XII Page No: 02 of 05 To: UZO75

HOD OF ZOOLOGY
KONGUNADU ARTS & SCIENCE COLLEGE
COIMBATORE - 641 029

	III	15UZO4CM	C.Pr. 2- Physiology and Cell Biology	2	40	60	100	3	2
		15UBC4AL	Allied Pr. 2. Biochemistry	2	20	30	50	3	2
	IV	15UZO4S2	Skill Based subject 2- Health education	2	25	75	100	3	3
	IV	15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**- Women's rights	2	-	75	75	3	2
V	III	15UZO505	Core 5- Genetics	5	25	75	100	3	4
	III	17UZO506	Core 6- Animal Behaviour and Evolution	5	25	75	100	3	4
	III	16UZO507	Core 7-Ecology	5	25	75	100	3	4
	III	16UZO508	Core 8-Biostatistics, Biophysics and Bioinformatics	5	25	75	100	3	4
			C.Pr.3: based on CP 5,7,8,11,12	2	-	-	-	-	-
			C.Pr.4: Based on CP 6,9,10	2	-	-	-	-	-
	III	15UZO5E1	Major Elective -I	4	25	75	100	3	5
	IV	16UBC/UBT /UBO - 5X1	EDC-Extra Departmental Course	2	25	75	100	3	3
		15UZO5IT	Internship						Grade
VI	III	15 UZO609	Core 9 -Microbiology and Immunology	4	25	75	100	3	4
	III	17 UZO610	Core 10 - Biotechnology	5	25	75	100	3	4
	III	17 UZO611	Core 11 -Developmental Biology	5	25	75	100	3	4
	III	16 UZO612	Core 12 - Animal diversity	4	25	75	100	3	4
		15UZO 6CN	C.Pr.3: based on CP 5,7,8,11,12	2	40	60	100	3	2
		15UZO 6CO	C.Pr.4: based on CP 6,9,10	2	40	60	100	3	2
	III	15UZO6E2	Major Elective 2	3	25	75	100	3	5
	III	15UZO6Z1	Project	3	20	80	100	3	5
	IV	15UZO6S4	Skill Based subject-4 Commercial fish culture	2	25	75	100	3	3
	V	15NCC/NSS/ YRC/ PYE101	Extension Activities*	-	50	-	50	-	1
			Total	180			3800		140

- ** - 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 100marks alone with the internal viva voce by the respective faculty. According to their, 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. Economic Zoology
- ✓ 2. Pest & their Management
- ✓ 3. Vermitechnology
- ✓ 4. Wild life conservation & Management
- ✓ 5. Poultry science & management
- ✓ 6. Human genetics & Counselling

Non-Major Elective Papers

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

Extra Departmental Course (EDC)

- ✓ 1. Diagnostic Biochemistry – Biochemistry Department
- ✓ 2. Medicinal botany and Human Welfare – Botany Department
- ✓ 3. Molecular Diagnostics – Biotechnology Department

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/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 (OR) Non-major elective	150	4
		Skill Based subject	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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
Re-accredited by NAAC with 'A' Grade Status – 3.64 CGPA (3rd Cycle)
College of Excellence (UGC) and Star College Scheme (DBT)
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 2017-2018)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	17TML101	Language I@	6	25	75	100	3	3
	II	15ENG101	English –I	6	25	75	100	3	3
	III	17UBC101	C.P.1 Chemistry of Biomolecules	7	25	75	100	3	6
		-	C. Pr. I - Biochemistry	2	-	-	-	-	-
		15UZ01A1	Allied A1- Zoology I	5	20	55	75	3	4
	IV	-	A. Pr. 1 Zoology	2	-	-	-	-	-
		15EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	17TML202	Language II@	6	25	75	100	3	3
	II	15ENG202	English –II	6	25	75	100	3	3
	III	17UBC202	C.P.2 Bioanalytical Techniques	7	25	75	100	3	6
		17UBC2CL	C.Pr. 1 Biochemistry	2	40	60	100	3	2
		15UZ02A2	Allied A. 2 Zoology II	5	20	55	75	3	4
		15UZ02AL	A. Pr. 1 Zoology	2	20	30	50	3	2
	IV	15VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
III	I	17TML303	Language III@	6	25	75	100	3	3
	II	15ENG303	English –III	6	25	75	100	3	3
	III	17UBC303	C. P. 3 – Enzymes and Enzyme Technology	4	25	75	100	3	5
		-	C.Pr. 2 Biochemistry	3	-	-	-	-	-
		15UCH3A3	Allied B. 1. Chemistry I	5	20	55	75	3	4
	IV	-	A.Pr.2 Chemistry	2	-	-	-	-	-
		15UGA3S1	Skill Based Subject 1- General Awareness	2	25	75	100	3	3
IV	I	17TML404	Language IV@	6	25	75	100	3	3
	II	17ENG404	English –IV	6	25	75	100	3	3
	III	17UBC404	C. P. 4 Intermediary Metabolism	4	25	75	100	3	4
		17UBC4CM	C. Pr.2. Biochemistry	3	40	60	100	3	2
		15UCH4A4	Allied B.2 Chemistry II	5	20	55	75	3	4
		15UCH4AL	A. Pr.2. Chemistry	2	20	30	50	3	2
	IV								

APPROVED BY THE ACADEMIC COUNCIL
Date: 24/3/17 Item No: X.III Page No. VBC.1 To: VBC 77

*P. Krishna Kumar

DEPARTMENT OF BIOCHEMISTRY
Kongunadu Arts and Science College
COIMBATORE 641 029

	IV	17UBC4S2	Skill Based Subject 2- Common Human Diseases	2	25	75	100	3	3
		17TBT402/ 17TAT402/ 15UWR4N2	Basic Tamil*/ Advanced Tamil** (OR) Non-Major Elective- II**	2	75		75	3	2
V	III	17UBC505	C.P.5 Human Physiology	4	25	75	100	3	4
		17UBC506	C.P.6 Cell Biology	4	25	75	100	3	4
		17UBC507	C.P.7 Clinical Biochemistry	4	25	75	100	3	4
		17UBC508	C.P.8 Molecular Biology	4	25	75	100	3	4
	III	17UBC5E1	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	15UBO/UZO/ UBT5X1	Extra Departmental Course	2	25	75	100	3	3
	-	17UBC5IT	Internship Training	Grade ****					
VI	III	17UBC609	C.P.9 Plant Biochemistry	4	25	75	100	3	4
		17UBC610	C.P.10 Immunology and Immuno Techniques	4	25	75	100	3	4
		17UBC611	C.P.11 Genetic Technology	4	25	75	100	3	4
	III	17UBC6E2	Major Elective II -	4	25	75	100	3	5
		17UBC6Z1	Project ***	4	20	80	100	-	5
	III	17UBC6CN	C.Pr.3. Biochemistry	4	40	60	100	6	3
		17UBC6CO	C.Pr.4. Biochemistry	2	40	60	100	4	2
		17UBC6CP	C.Pr.5. Biochemistry	2	40	60	100	4	2
	IV	17UBC6S4	Skill Based Subject 3- Techniques in Genomics and Proteomics	2	25	75	100	3	3
	V	15NCC / NSS / YRC / PYE101	Extension Activities*	-	50	-	50	-	1
Total				180			3800		140

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

Major Elective Papers

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

1. Microbiology
2. Biotechnology
3. Advanced Clinical Biochemistry
4. General Pharmacological Principles
5. Basics of Bioinformatics

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

List of Extra Departmental Courses

1. 16UBO5X1 Medicinal botany
2. 16UZO5X1 Ornamental fish culture technology
3. 16UBT5X1 Molecular diagnostics

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

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.



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 2017-2018 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (Hours)	Credits
					CIA	ESE	Total		
I	I	17TML101 [@]	Language	6	25	75	100	3	3
	II	17ENG101	English I	6	25	75	100	3	3
	III	17UBT101	C.P.1 - Cell Biology	6	25	75	100	3	5
		15UCH1A1	Allied - Paper 1: Chemistry - I	5	20	55	75	3	4
		17UBT2CL	C.Pr.1 – Lab. in Cell Biology and Biochemistry	3	-	-	-	-	-
		15UCH1AL	Allied Pr.1 - Chemistry Practical	2	-	-	-	-	-
	IV	15EVS101	Environmental Studies*	2	-	50	50	3	2
II	I	17TML202 [@]	Language	6	25	75	100	3	3
	II	17ENG202	English II	6	25	75	100	3	3
	III	17UBT202	C.P.2 - Biochemistry	6	25	75	100	3	5
		15UCH2A2	Allied - Paper 2: Chemistry - II	5	20	55	75	3	4
		17UBT2CL	C.Pr.1- Lab. in Cell Biology and Biochemistry	3	40	60	100	4	3
		15UCH2AL	Allied Pr.1 - Chemistry Practical	2	20	30	50	3	2
	IV	15VED201	Value Education - Moral and Ethics*	2	-	50	50	3	2
III	I	17TML303 [@]	Language	6	25	75	100	3	3
	II	17ENG303	English III	6	25	75	100	3	3
	III	17UBT303	C.P.3 – Bioinstrumentation and Biophysics	4	25	75	100	3	4
		17UBT304	C.P.4 – Genetics	4	25	75	100	3	4
		15UBT3A3	Allied - Paper 3 : Basic Mathematics and Statistics	4	20	55	75	3	4
		17UBT4CM	C.Pr.2- Lab. in Bioinstrumentation, Genetics and Microbiology	2	-	-	-	-	-
	IV	17UGA3S1	Skill Based Subject: 1 General Awareness	2	25	75	100	3	3
		16UHR3N1*/16TBT301**/16TAT301*	Non Major Elective – I* Human Rights /Basic Tamil /Advanced Tamil	2	-	75	75	3	2
IV	I	17TML404 [@]	Language	6	25	75	100	3	3
	II	17ENG404	English IV	6	25	75	100	3	3
	III	17UBT405	C.P.5 – Microbiology	4	25	75	100	3	4
		17UBT4CM	C.Pr.2- Lab. in Bioinstrumentation, Genetics and Microbiology	3	40	60	100	4	3
		15UBT4A4	Allied - Paper 4 : C - Programming and Numerical Methods	5	20	55	75	3	4
		15UBT4AL	Allied Pr. 1 – Lab in C-Programming	2	20	30	50	3	2

	IV	17UBT4S2	Skill Based Subject: 2 – Human Anatomy and Physiology	2	25	75	100	3	3
		16UWR4N2* 16TBT401** 16TAT402*	Non Major Elective – II* - Women's Rights /Basic Tamil /Advanced Tamil	2	-	75	75	3	2
V	III	17UBT506	C.P.6- Immunology	4	25	75	100	3	4
		17UBT507	C.P.7- Molecular Biology	4	25	75	100	3	4
		17UBT508	C.P.8- Recombinant DNA Technology	5	25	75	100	3	4
		17UBT509	C.P.9 - Animal Biotechnology	5	25	75	100	3	4
		17UBT5CN	C.Pr.3 – Lab. in Immunology, Molecular biology, Recombinant DNA Technology and Animal Biotechnology	5	40	60	100	4	3
		17UBT5E1	Major Elective - I	5	25	75	100	3	5
	IV	16UBO5X1/ 17UBC5X1/ 16UZO5X1	Extra Departmental Course (EDC) - 1	2	25	75	100	3	3
		17UBT5ST	Summer Training @@						
VI	III	17UBT610	C.P.10 - Bioprocess technology	5	25	75	100	3	4
		17UBT611	C.P.11 - Plant Biotechnology	5	25	75	100	3	4
		17UBT612	C. P. 12–Genomics, Proteomics and Bioinformatics	5	25	75	100	3	4
		17UBT6CO	C.Pr.4- Lab. in Bioprocess technology, Plant Biotechnology and Bioinformatics	5	40	60	100	4	3
		17UBT6Z1	Project***	3	20	80	100	3	3
		17UBT6E2	Major Elective - II	5	25	75	100	3	5
	IV	17UBT6S3	Skill Based Subject: 3 - Infectious Diseases, Diagnostics and Health Management	2	25	75	100	3	3
	V	17NSS101/ 17NCC101/ 17PYE101/ 17YRC101#	Extension Activities**	-	50	-	50	-	1
Total				180			3800		140

@ Hindi/Malayalam/French/Sanskrit-15HIN/MLM/FRN/SAN101 - 404

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

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

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

CBCS – Choice Based Credit system; CIA – Continuous Internal Assessment; ESE – End of Semester Exam.

Non - Major Elective subjects

1. Human Rights
2. Women's Rights

Major Elective Subjects (2 subjects to be chosen from the following 4 papers)

1. Research Methodology and Biostatistics
2. Nanobiotechnology and Intellectual Property Rights
3. Biodiversity and Environmental Biotechnology
4. Medical Biotechnology

Skill Based Subject

1. General Awareness (On-line Examination)
2. Human Anatomy and Physiology
3. Infectious Diseases, Diagnostics and Health Management

Extra Departmental Courses (EDC)

S. No.	Subject code	Subject	Offering Department
1.	17UBC5X1	Diagnostic Biochemistry	Biochemistry
2.	16UBO5X1	Medicinal Botany	Botany
3.	16UZO5X1	Ornamental Fish Culture Technology	Zoology

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.

Tally Table:

S. No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/ Hindi / Malayalam / French	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 (OR) Non-Major elective	150	4
		Skill Based subject	300	9
		Extra Departmental Course	100	3
		Environmental Studies	50	2
		Value Education	50	2
5.	V	Extension Activities	50	1
Total			3800	140

Note:

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

Job Oriented Courses (JOC)

1. Medical Coding (17UBT0J1)
2. Applied Biotechnology – Biomass, Biofertilizer and Biocontrol agents (17UBT0J2)

Note: JOC which are offered at present will be applicable for the students admitted during the academic year 2017-2018 and will be considered as extra credit courses.

@@ The result of the summer training will be displayed in the V Semester's mark sheet as follows:

- 85-100 - Grade O
- 70-84 - Grade D
- 60-69 - Grade A
- 50-59 - Grade B
- 40-49 - Grade C

1. Break up Marks for CIA of Theory

CIA Exam	-	15
Assignment	-	5
Attendance	-	5
		<hr/>
Total		25
		<hr/>

2. Components of Practical:

Break up Marks for CIA of Practical

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	5
		<hr/>
Total		40
		<hr/>

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
		<hr/>
Total	-	60
		<hr/>

3. Component for Project:

CIA / ESE	Particulars	Project Out of 100 Marks (UG)
CIA	Project Review	15
	Attendance	5
	Total Internal Marks	20
*ESE	Project Report Presentation	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*

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 2017-2018 & Onwards)

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	17TML1A1	Language 1@	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	16UCS101	C.P.1 – COBOL Programming	4	25	75	100	3	4
		16UCS1CL	C.Pr.1 – COBOL Programming - Lab	6	40	60	100	3	2
		15UCS1A1	Allied 1 –Discrete Mathematics and Statistics	6	25	75	100	3	5
	IV	15EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	17TML2A2	Language II@	6	25	75	100	3	3
	II	15ENG202	English II	6	25	75	100	3	3
		16UCS202	C.P.2 - C Programming	4	25	75	100	3	4
		16UCS2CM	C.Pr.2 – C Programming - Lab	6	40	60	100	3	2
		15UCS2A2	Allied 2 –Operations Research	6	25	75	100	3	5
	IV	15VED201	Value Education – Moral and Ethics **	2	-	50	50	3	2
III	III	16UCS303	C.P.3 - Computer Organization and Architecture	5	25	75	100	3	4
		16UCS304	C.P.4 – Database Management System	5	25	75	100	3	4
		16UCS305	C.P.5 -Object Oriented Programming with C++	5	25	75	100	3	5
		16UCS3CN	C.Pr.3 – Object Oriented Programming with C++ - Lab	6	40	60	100	3	2
		15UCS3A3	Allied 3 –Business Accounting	5	25	75	100	3	5
	IV	15UCS3S1	Skill Based Subject 1- (Web Programming - HTML, CSS, XML)	2	25	75	100	3	3
		17TBT301 / 17TAT301 / 15UHR3N1	Basic Tamil */ Advanced Tamil **/ Non-Major Elective 1**	2	—	75	75	3	2
IV		16UCS406	C.P.6 – Operating Systems	5	25	75	100	3	4

	III	15UCS407	C.P.7 – Data Structures	5	25	75	100	3	4
		16UCS408	C.P.8 – Visual Basic and Oracle	5	25	75	100	3	5
		15UCS4CO	C.Pr.4 – Visual Basic and Oracle Lab	6	40	60	100	3	2
		16UCS4A4	Allied 4–Microprocessors, PC – Hardware and Interfacing	5	25	75	100	3	5
	IV	15UCS4SL	Skill Based Subject 2 - (Web Programming Lab - HTML, CSS, XML)	2	40	60	100	3	3
		17T BT402 / 17T AT402 / 15UWR4N2	Basic Tamil*/ Advanced Tamil** / Non-Major Elective 2**	2	—	75	75	3	2
V		16UCS509	C.P.9 – Software Engineering and Testing	6	25	75	100	3	4
	III	15UCS510	C.P.10 – Java Programming	4	25	75	100	3	5
		15UCS5CP	C.Pr.5 – Java Programming -Lab	6	40	60	100	3	2
		15UCS511	C.P.11 – Computer Networks	6	25	75	100	3	4
		17UCS5E1	Major Elective I	6	25	75	100	3	5
	IV	16UCS5S2	Skill Based Subject 3 – (Web Programming – Java Script, VB Script and ASP)	2	25	75	100	3	3
VI	III	15UCS612	C.P.12 – Software Project Management	4	25	75	100	3	4
		17UCS613	C.P.13 – Python Programming	4	25	75	100	3	5
		17UCS6CQ	C.Pr.6 – Python Programming Lab	6	40	60	100	3	2
		15UCS614	C.P.14 – Information Security	5	25	75	100	3	5
		17UCS6E2	Major Elective II	5	25	75	100	3	5
		15UCS6Z1	Project Work and Viva-Voce ***	4	20	80	100	3	4
	IV	16UCS6SM	Skill Based Subject 4 – (Web Programming Lab – Java Script, VB Script and ASP)	2	40	60	100	3	3
Part V		15NCC/NSS/YRC/PYE101	Extension Activities * *	-	50	-	50	-	1
			TOTAL				3800		140

@ Hindi/Malayalam/French/Sanskrit-12HIN/13MLM/12FRN/12SAN101-202

* 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

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/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

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.

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

KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]

COIMBATORE - 641 029.

BACHELOR OF COMPUTER APPLICATIONS [BCA]

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2017-2018] onwards

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	17TML1A1	Lan - Tamil I/Hindi I/French I/ Malayalam I/ Sanskrit I	6	25	75	100	3	3
	II	15ENG101	Lan - English I	6	25	75	100	3	3
	III	15UCA101	C.P.1: – C Programming	5	25	75	100	3	4
		15UCA1CL	C.Pr .1: – C Programming Lab	5	40	60	100	3	2
		15UCA1A1	Allied 1:–Business Accounting	6	25	75	100	3	5
	IV	15EVS101	Enviromental Studies **	2	-	50	50	3	2
II	I	17TML2A2	Lan - Tamil II/Hindi II/ FrenchII/MalayalamII/ Sanskrit II	6	25	75	100	3	3
	II	15ENG202	Lan - English II	6	25	75	100	3	3
	III	15UCA202	C.P. 2: Object Oriented Programming with C++	4	25	75	100	3	4
		15UCA203	C.P. 3: – Digital Fundamentals and Computer Organization	3	25	75	100	3	4
		15UCA2CM	C.Pr .2:– Object Oriented Programming with C++ - Lab	3	40	60	100	3	2
		15UCA2A2	Allied 2:– Computer Oriented Numerical and Statistical methods	6	25	75	100	3	5
	IV	15VED201	Value Education - Moral & Ethics**	2	-	50	50	3	2
III	III	15UCA304	C.P.4: – Operating Systems	5	25	75	100	3	4
		15UCA305	C.P. 5: – Data Structures and Algorithms	5	25	75	100	3	4
		15UCA306	C.P 6: – Relational Database Management Systems	5	25	75	100	3	4
		15UCA3CN	C.Pr .3:– Relational Database Management Systems -Lab	5	40	60	100	3	2
		15UCA3A3	Allied 3:– Operations Research.	6	25	75	100	3	5

	IV	16UCA3S1	Skill based Subject - I Python Programming-I	2	25	75	100	3	3
		15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil*/ Adv.Tamil **/ Non major Elective I – Human Rights	2	-	75	75	3	2
IV	III	15UCA407	C.P 7:– Software Engineering	5	25	75	100	3	4
		15UCA408	C.P 8: – Computer Networks	5	25	75	100	3	4
		17UCA409	C.P 9: – Advanced JAVA	5	25	75	100	3	5
		17UCA4CO	C.Pr .4: – :- Advanced JAVA – Lab	5	40	60	100	3	2
		15UCA4A4	Allied 4: -Organizational Behavior and Marketing	6	25	75	100	3	5
	IV	16UCA4SL	Skill based Subject - II Python Programming Lab-I	2	40	60	100	3	3
		15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil*/Adv.Tamil**/ Non major Elective II – Women’s Rights	2	-	75	75	3	2
V	III	16UCA510	C.P 10:– Visual Basic and .NET	6	25	75	100	3	5
		17UCA511	C.P 11: – Android Programming	6	25	75	100	3	5
		15UCA512	C.P 12: – Data Mining	5	25	75	100	3	5
		16UCA5E1	Elective Paper I	6	25	75	100	3	5
		15UCA5CP	C.Pr .5 – Visual Basic and .NET Lab	5	40	60	100	3	2
	IV	17UCA5S3	Skill based Subject - III Python Programming-II	2	25	75	100	3	3
VI	III	16UCA6E2	Elective Paper II	6	25	75	100	3	5
		15UCA613	C.P. 13: - Web Designing	6	25	75	100	3	4
		17UCA614	C.P.14:- Information Security	6	25	75	100	3	5
		15UCA6CQ	C.Pr. 6: - Web designing Lab	6	40	60	100	3	2
		15UCA6Z1	Project Work & Viva-Voce	4	20	80 *	100	3	4
	IV	17UCA6S4	Skill based Subject - IV Python Programming Lab-II	2	40	60	100	-	3

Part V	15NCC/NSS/Y RC/PYE101	Extension activity (NSS,NCC,PE,YRC) *	-	50 (CIA only)	-	50	-	1
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@Hindi - 15HIN101/202
 @French - 15FRN101/202
 @Malayalam - 15MLM101/202
 @Sanskrit - 15SAN101/202

\$\$NCC – 15NCC101
 NSS – 15NSS101
 Sports – 15PYE101
 YRC – 0YRC101
 PYE- 15P4E101

***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.

Major Elective Papers:

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

1. Break Up Marks for CIA of Theory

CIA Exam	-	15
Assignment	-	05
Attendance	-	05
Total		<u>25</u>

2. Components of Practical

Break Up Marks for CIA of Practical

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	05
Total		<u>40</u>

Break Up Marks for ESE of Practical

Experiment	-	50
Record	-	10
Total		<u>60</u>

3. Components for Project

CIA/ESE	Particulars	Project Out of 100 Marks(UG)
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CIA	Project Review	15
	Attendance	5
	Total Internal Marks	20
	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**

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	2000	2700	72
	Allied	400		20
	Elective	300		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

**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 2017-2018 & ONWARDS]

Semester	Part	Subject Code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam(Hours)	Credits
					CIA	ESE	Total		
I	I	17TML1A1	Language I @	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	17UCT101	C.P.1 C Programming	5	25	75	100	3	4
		17UCT1CL	C.Pr.1 C Programming Lab	5	40	60	100	3	2
		15UCT1A1	Allied 1 - Discrete Mathematics and Statistics	6	25	75	100	3	5
	IV	15EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	17TML2A2	Language II @	6	25	75	100	3	3
	II	15ENG202	English II	6	25	75	100	3	3
	III	17UCT202	C.P.2 Digital Fundamentals and Computer Organization	4	25	75	100	3	4
		16UCT203	C.P.3 Object Oriented Programming with C++	3	25	75	100	3	4
		17UCT2CM	C.Pr.2 C++ Programming Lab	3	40	60	100	3	2
		15UCT2A2	Allied 2 – Operations Research	6	25	75	100	3	5
	IV	15VED201	Value Based Education ** (Moral and Ethics)	2	-	50	50	3	2
III	III	17UCT304	C.P.4 Operating Systems	5	25	75	100	3	4
		17UCT305	C.P.5 Data Structures and Analysis of Algorithms	5	25	75	100	3	4
		17UCT306	C.P.6 Java Programming	5	25	75	100	3	4
		16UCT3CN	C.Pr.3 Java Programming Lab	5	40	60	100	3	2
		16UCT3A3	Allied 3 – Business Accounting	6	25	75	100	3	5
	IV	17UCT3S1	Skill Based Subject 1 - Computer Installation & Servicing	2	25	75	100	3	3

		17TBT301/ 17TAT301/ 15UHR3N1	Basic Tamil*/Advanced Tamil**/(or) Non Major Elective I **	2	-	75	75	3	2
IV	III	17UCT407	C.P.7 Relational Database Management Systems	5	25	75	100	3	4
		17UCT408	C.P.8 .NET Framework	4	25	75	100	3	4
		17UCT409	C.P.9 Computer Networks	5	25	75	100	3	4
		17UCT4CO	C.Pr.4.NET Framework and Oracle Lab	6	40	60	100	3	2
		17UCT4A4	Allied 4 - Microprocessors, PC Hardware & Interfacing	6	25	75	100	3	5
	IV	17UCT4SL	Skill Based Subject 2 - Computer Installation & Servicing Lab	2	40	60	100	3	3
		17TBT402/ 17TAT402/ 15UWR4N2	Basic Tamil*/Advanced Tamil**/(or) Non Major Elective II**	2	-	75	75	3	2
V	III	17UCT510	C.P.10 Software Engineering and Testing	5	25	75	100	3	5
		17UCT511	C.P.11 Mobile Computing	5	25	75	100	3	5
		15UCT512	C.P.12 Data Mining and Warehousing	6	25	75	100	3	5
		17UCT5E1	Elective Paper - I	6	25	75	100	3	5
		15UCT5CP	C.Pr.5 Software Testing Lab	6	40	60	100	3	2
	IV	16UCT5SM	Skill Based Subject 3 - Multimedia Lab I	2	40	60	100	3	3
		15UCT5SP	Summer Project	Grade ****					
VI	III	17UCT613	C.P.13 PHP	6	25	75	100	3	5
		17UCT614	C.P.14 Information Security	6	25	75	100	3	5
		17UCT6E2	Elective Paper - II	6	25	75	100	3	5
		17UCT6CQ	C.Pr.6 Programming Lab-PHP	6	40	60	100	3	2
		15UCT6Z1	Project Work & Viva – Voce***	4	20	80	100	3	4
	IV	16UCT6SN	Skill Based Subject 4 - Multimedia Lab II	2	40	60	100	3	3
	V	15NCC/NSS/ YRC/ PYE101	Extension Activities*	-	50	-	50	-	1

@Tamil/Hindi/French/Malayalam/Sanskrit-
17TML/15HIN/15FRN/15MLM/15SAN101-202

* 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.

**** Summer Project : Students should do the summer project at the end of fourth semester during summer vacation and submitted the report in the fifth semester. The Project report will be evaluated for 100 marks along with the internal viva voce by the respective internal project guide. 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 four papers)

1. Network Security
2. Cloud Computing
3. System Software
4. Client/Server Techniques

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

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.

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.

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 2017-2018 & ONWARDS]**

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam (hrs)	Credits
					CIA	ESE	Total		
I	I	17TML1A1	Language I@	6	25	75	100	3	3
	II	15ENG101	English - I	6	25	75	100	3	3
	III	16UIT101	Core I – C Programming	5	25	75	100	3	5
		15UIT1CL	Core Practical I – Programming Lab - C	5	40	60	100	3	2
		15UIT1A1	Allied I - Mathematical Foundations for Computer Science	6	25	75	100	3	5
	IV	15EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	17TML2A2	Language II@	6	25	75	100	3	3
	II	15ENG202	Language - English II	6	25	75	100	3	3
	III	16UIT202	Core II - Computer Organization and Architecture	4	25	75	100	3	4
		15UIT203	Core III - Object Oriented Programming with C++	3	25	75	100	3	5
		15UIT2CM	Core Practical II - Programming Lab -C++	3	40	60	100	3	2
		15UIT2A2	Allied II- Computer Oriented Numerical and Statistical Methods	6	25	75	100	3	5
	IV	16VED201	Value Education - Moral and Ethics **	2	-	50	50	3	2
III	III	15UIT304	Core IV – Data Structures and Algorithms	5	25	75	100	3	4
		15UIT305	Core V – Relational Database Management System and ORACLE	5	25	75	100	3	4
		15UIT306	Core VI – JAVA Programming	5	25	75	100	3	5
		15UIT3CN	Core Practical III - Programming Lab – JAVA & ORACLE	5	40	60	100	3	2
		15UIT3A3	Allied III - Business Accounting	6	25	75	100	3	5
	IV	17UIT3S1	Skill Based Subject 1 – Python Programming I	2	25	75	100	3	3
		17TBT301/ 17TAT301/ 15UHR3N1	Basic Tamil * / Advanced Tamil **/ Non-Major Elective – I ** (Human Rights)	2	-	75	75	3	2

IV	III	15UIT407	Core VII – Operating Systems	5	25	75	100	3	4
		17UIT408	Core VIII – Visual Basic .NET	5	25	75	100	3	5
		15UIT409	Core IX – Principles of Data Communications and Network	5	25	75	100	3	4
		17UIT4CO	Core Practical IV – Programming Lab – VB.Net	5	40	60	100	3	2
		15UIT4A4	Allied IV – Microprocessors, PC Hardware and Interfacing	6	25	75	100	3	5
	IV	17UIT4SL	Skill Based Subject 2 (Practical) Python Programming Lab I	2	40	60	100	3	3
		17TBT402/ 17TAT402/ 15UWR4N2	Basic Tamil */ Advanced Tamil **/ Non-Major Elective – II ** (Women's Rights)	2	-	75	75	3	2
V	III	15UIT510	Core X – Client/Server Computing	6	25	75	100	3	4
		15UIT511	Core XI – Software Engineering	6	25	75	100	3	4
		15UIT512	Core XII – Mobile Computing	6	25	75	100	3	4
		15UIT5CP	Core Practical V – Software Testing Lab	5	40	60	100	3	2
		17UIT5E1	Major Elective I	5	25	75	100	3	5
	IV	17UIT5S2	Skill Based Subject 3-Python Programming II	2	25	75	100	3	3
VI	III	17UIT613	Core XIII – Open Source Tools	6	25	75	100	3	5
		17UIT614	Core XIV - Information Security	6	25	75	100	3	4
		17UIT6CQ	Core Practical VI – Programming Lab PHP	5	40	60	100	3	2
		17UIT6E2	Major Elective II	5	25	75	100	3	5
		15UIT6Z1	Project***	6	20	80	100	3	4
	IV	17UIT6SM	Skill Based Subject 4 (Practical) Python Programming Lab II	2	40	60	100	3	3
Part V		\$\$	Extension Activities *	-	50	-	50	-	1

@ 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

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.

1. Break up Marks for CIA of Theory

CIA Exam	-	15
Assignment	-	5
Attendance	-	5
		<hr/>
Total		25
		<hr/>

2. Components of Practical:

Break up Marks for CIA of Practical

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	5
		<hr/>
Total		40
		<hr/>

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
		<hr/>
Total	-	60
		<hr/>

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.**

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
DEPARTMENT OF COMMERCE (UG)
Curriculum and scheme of Examination under CBCS
(Applicable to students Admitted from the Academic Year 2017-2018 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	17TML1A1	Language I	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	16UCM101	Core 1 - Fundamentals of Financial Accounting	6	25	75	100	3	5
	III	17UCM102	Core 2 - Business Organisation	4	25	75	100	3	3
	III	17UCM1A1	Allied 1– Business Economic	6	25	75	100	3	5
	IV	15EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	17TML2A2	Language II	6	25	75	100	3	3
	II	15ENG202	English –II	6	25	75	100	3	3
	III	15UCM203	Core 3 - Financial Accounting	6	25	75	100	3	5
	III	17UCM204	Core 4 – Modern Banking	4	25	75	100	3	3
	III	17UCM2A2	Allied 2- International Trade	6	25	75	100	3	5
	IV	16VED201	Value Education- Moral and Ethics **	2	-	50	50	3	2
III	III	17UCM305	Core 5 - Higher Financial Accounting	6	25	75	100	3	5
	III	15UCM306	Core 6 – Principles of Management	5	25	75	100	3	3
	III	15UCM307	Core 7 - Commercial Law	5	25	75	100	3	3
	III	16UCM308	Core 8 - Marketing	4	25	75	100	3	3
	III	15UCM3A3	Allied 3- Business Mathematics	6	25	75	100	3	5
	IV	15UCM3SL	Skill Based subject 1- Computer Applications (MS-Word and MS-Excel)- Practical –I	2	40	60	100	3	3
	IV	15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**	2		75		3	2
	-	17UCM3IT	Institutional Training****	Grade****					
IV	III	15UCM409	Core 9 - Corporate Accounting	6	25	75	100	3	5
	III	17UCM410	Core 10 -Company Law	5	25	75	100	3	3
	III	17UCM411	Core 11 - Financial Management	5	25	75	100	3	3
	III	16UCM412	Core 12 - Business Communication	4	25	75	100	3	3
	III	15UCM4A4	Allied 4- Business Statistics	6	25	75	100	3	5

	IV	15UCM4SM	Skill Based subject 2- Computer Applications (MS-Power point and MS- Access)-Practical –II	2	40	60	100	3	3
	IV	15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**	2		75		3	2
V	III	15UCM513	Core 13 -Higher Corporate Accounting	6	25	75	100	3	5
	III	17UCM514	Core 14 - Cost Accounting	6	25	75	100	3	4
	III	16UCM515	Core 15 - Direct Tax	6	25	75	100	3	4
	III	17UCM516	Core 16 – Financial Markets and Services	5	25	75	100	3	3
	III	17UCM5E1	Major Elective 1 -	5	25	75	100	3	5
	IV	15UCM5SN	Skill Based subject 3- Computer Applications (Tally & Internet)-Practical –III	2	40	60	100	3	3
	-	17UCM5SP	Summer Project *****	Grade*****					
VI	III	17UCM617	Core 17 -Management Accounting	5	25	75	100	3	4
	III	17UCM618	Core 18 - Indirect Tax	5	25	75	100	3	3
	III	15UCM619	Core 19 - Auditing	4	25	75	100	3	3
	III	15UCM620	Core 20 –Entrepreneurial Development	4	25	75	100	3	2
	III	17UCM6E2	Major Elective 2 -	4	25	75	100	3	5
	III	15UCM6Z1	Project ***	6	20	80	100	-	5
	IV	15UCM6SO	Skill Based subject 4- Computer Applications (Tally & Internet)-Practical –IV	2	40	60	100	3	3
	V	15NCC/NSS/ YRC/PYE10 1	Extension Activities*	-	50	-	50	-	1
			Total				3800		140

@ Tamil/Hindi/Malayalam/ French/ Sanskrit – 14TML/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.

**** The students shall undergo an Institutional 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.

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

***** 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 (can choose any one of the paper as elective)		
ELECTIVE - I	A	Business Research Methods
	B	Security Analysis and Portfolio Management
ELECTIVE - II	A	Human Resource Management
	B	Supply Chain Management

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/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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE-29

END SEMESTER EXAMINATIONS QUESTION PAPERS PATTERN
(For the candidates admitted from the Academic year 2017-18)

Max Marks: 75

SECTION – A

10X1= 10 Marks

10 Questions (Choose the best answer: Two Questions from each unit with four choices)

SECTION – B

5 X 5 = 25

Marks

5 Questions either / or type (one question from each unit)

SECTION – C

5 x 8 = 40

Marks

5 Questions either / or type (one question from each unit)

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),
COIMBATORE – 29**

END SEMESTER EXAMINATION QUESTION PAPER PATTERN

(For the candidates admitted from the academic year 2017 – 2018)

**Skill Based Subjects: Computer Application practical
Max. Marks 100**

Internals : 40 Marks
Externals : 60 Marks

Internals

1. Observation Note	: 10 Marks
2. Attendance	: 5 Marks
3. Model Practical Exam(1 out of 2 program)	: <u>25 Marks</u>
TOTAL	<u>40 Marks</u>

Model Practical Exam

1. Algorithm	: 5 Marks
2. Program & Execution	: <u>20 Marks</u>
TOTAL	<u>25 Marks</u>

Externals

1. Record	: 10 Marks
2. End Semester Practical (2 out of 3 programs)	: <u>50 Marks</u>
TOTAL	<u>60 Marks</u>

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COIMBATORE - 641 029

Course Name: B.Com. with Computer Applications

Curriculum & Scheme of Examination under CBCS

(APPLICABLE FOR THE STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2017-2018 AND ONWARDS)

Model Scheme of Examination (With 2 Semester Language Papers)

Semester	Part	Subject Code	Title of the Paper	Instruction Hours/Cycle	Exam. Marks			Duration of Exam. (Hrs)	Credits
					CIA	ESE	Total		
I	I	17TML1A1@	Lan - Tamil I/Hindi I/ French I/ Malayalam I/ Sanskrit I	6	25	75	100	3	3
	II	15ENG101	Lan - English I	6	25	75	100	3	3
	III	17UCC101	C. P. 1 - Principles of Accountancy	4	25	75	100	3	4
		15UCC102	C.P. 2 - Introduction to Information Technology	4	25	75	100	3	4
		15UCC1A1	ALLIED. A 1 - Business Mathematics	6	25	75	100	3	5
		15UCC1CL	C.Pr. 1 - Computer Applications I - MS Office	2	20	30	50	3	1
	IV	15EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	15TML2A2@	Lan - Tamil II/Hindi II/French II/ Malayalam II/Sanskrit II	6	25	75	100	3	3
	II	15ENG202	Lan - English II	6	25	75	100	3	3
	III	17UCC203	C.P. 3 - Financial Accounting	4	25	75	100	3	4
		17UCC204	C.P.4 - Indian Banking system	4	25	75	100	3	4
		15UCC2A2	ALLIED. B 1 - Business Statistics	6	25	75	100	3	5
		15UCC2CM	C. Pr.2 -Computer Applications II - Accounting Package Tally	2	20	30	50	3	1
	IV	15VED201	Value Education - Moral & Ethics**	2	-	50	50	3	2
III	III	17UCC305	C.P.5 - Cost Accounting	5	25	75	100	3	4
		17UCC306	C.P. 6 - Direct Tax	5	25	75	100	3	4
		17UCC307	C.P. 7- Principles of Marketing	4	25	75	100	3	3
		16UCC308	C.P. 8 - Database Management Systems	4	25	75	100	3	3
		17UCC3A3	ALLIED.C 1 - Executive Business Communication	4	25	75	100	3	5
		17UCC3CN	C.Pr.3 -Computer Applications III - SQL	4	20	30	50	3	1
	IV	15UCC3S1	Skill based subject 1 - Managerial Economics	2	25	75	100	3	3
		15TBT301/ 15TAT301/ 15UHR 3N1	Basic Tamil*/Advanced Tamil**/ Non major Elective-I** Human Rights	2	-	75	75	3	2

IV	III	17UCC409	C.P. 9- Corporate Accounting	6	25	75	100	3	4
		17UCC410	C.P. 10- Principles of Management	6	25	75	100	3	4
		17UCC411	C.P. 11-Object Oriented Programming with C++	5	25	75	100	3	4
		17UCC4A4	ALLIED.D 1 – Business and Company Law	5	25	75	100	3	5
		15UCC4CO	C.Pr.4 -Computer Applications IV - C++ Programming	4	20	30	50	3	1
	IV	16UCC4S2	Skill based subject 2 – Retail Business Management	2	25	75	100	3	3
V	III	15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil*/Advanced Tamil**/ Non major Elective-II** Women rights	2	-	75	75	3	2
		15UCC512	C.P. 12-Principles of Auditing	4	25	75	100	3	4
		17UCC513	C.P.13- Management Accounting	5	25	75	100	3	4
		17UCC514	C.P.14- Financial Management	6	25	75	100	3	4
		15UCC515	C.P.15- Programming in Visual Basic	4	25	75	100	3	4
		17UCC5E1	Elective Paper –I	5	25	75	100	3	5
		17UCC5CP	C.Pr.5 - Computer Applications V – Visual Basic	4	20	30	50	3	1
VI	IV	15UCC5S3	Skilled based subject 3 – Human Resource Management	2	25	75	100	3	3
		15UCC5IT	Institutional Training		GRADE****				-
	III	17UCC616	C.P.16-Investment Management	6	25	75	100	3	4
		16UCC617	C.P.17- Internet and Web Designing	6	25	75	100	3	5
		17UCC6E2	Elective paper - II	6	25	75	100	3	5
		15UCC6CQ	C.Pr.6 - Computer Applications VI - HTML & Internet	4	20	30	50	3	1
		15UCC6Z1	Project Work & Viva-voce***	6	20	80	100	-	4
	IV	17UCC6S4	Skill based subject 4 - Cyber Law	2	25	75	100	3	3
V		\$\$	Extension Activities - (NCC/NSS/Sports/YRC) *	-	50	-	50		1
		TOTAL					3800		140

@ Hindi	- 15HIN101/202	\$\$ NCC	- 15NCC101
@ French	- 15FRN101/202	NSS	- 15NSS101
@ Malayalam	- 15MLM101/202	Sports	- 15PYE101
@ Sanskrit	- 15SAN101/202	YRC	- 15YRC101

*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.

**** 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 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

(Any 2 paper to be chosen from the following 4 papers)

1.	E - Commerce
2.	Research Methodology
3.	Management Information System
4.	Industrial Law

LIST OF NON-MAJOR ELECTIVES

1. Human Rights (15UHR3N1)
2. Women's Rights(15UWR4N2)

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 (NCC/NSS/Sports/YRC)	50	1
Total			3,800	140

Note:

CBCS – Choice Based Credit System

NCC – National Cadet Corps

YRC – Youth Red Cross

ESE – End of Semester Examination

LAN – Language

NSS – National Service Scheme

CIA – Continuous Internal Assessment

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

1. 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	-	10
Observation Notebook	-	5
Attendance	-	5
Total		20

3. Components 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.

Instructions to be followed during the presentation of syllabi

Theory: Under each title of the subject minimum two or three objectives of the subject, the total hours of teaching and total credits should be mentioned. The unit wise teaching hours also be indicated. Maximum two or three text books and four or five reference books may be added.

Practical: The question paper pattern should be furnished as given below for each practical syllabus as it is followed by the department concerned.

Break up of mark for ESE Practical:

Major Experiment	15 marks
Minor Experiment	10 marks
Record	5 marks
Total	30 marks

The breakup of marks and question paper pattern prescribed for theory and practical are for the core subjects only. For other subjects like allied, elective and general subjects, if marks changed, the College hand book may be referred and mentioned under each syllabus accordingly.

Question Paper Pattern

Maximum External Marks – 75

Section A – Multiple Choice (10 x 1 = 10 Marks)

Section B – Either or type (5 x 5 = 25 Marks)

Section C – Either or type (5 x 8 = 40 Marks)

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 2017-2018 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	17TML1A1	Language I@	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	17UPA101	C.P.1 – Principles of Accountancy	4	25	75	100	3	4
	III	17UPA102	C.P. 2 – Business Economics	4	25	75	100	3	4
	III	16 UPA1A1	Allied 1– Mathematics for Business	6	25	75	100	3	5
	-	-	C.Pr.1-Computer Applications Practical I	2	-	-	-	-	-
	IV	15EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	17TML2A2	Language II@	6	25	75	100	3	3
	II	15ENG202	English –II	6	25	75	100	3	3
	III	16UPA2CL	C.Pr.1 - Computer Applications Practical I	4	40	60	100	3	3
	III	17UPA203	C.P.3 – Mercantile Law	6	25	75	100	3	5
	III	16UPA2A2	Allied 2- Statistics for Business	6	25	75	100	3	5
	IV	16VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
III	III	16UPA304	C.P.4 – Financial Accounting	6	25	75	100	3	4
	III	16UPA 305	C.P.5 – Cyber Law	5	25	75	100	3	3
	III	16UPA 306	C.P.6 – Business Communication	5	25	75	100	3	3
	III	17UPA 307	C.P.7 – Accounting Standards	4	25	75	100	3	3
	III	17UPA3A3	Allied 3- Introduction to Information Technology	6	25	75	100	3	5
	IV	16UPA3S1	Skill Based subject 1- Strategic Management	2	25	75	100	3	3
	IV	15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**	2		75		3	2
IV	III	17UPA408	C.P.8 - Partnership Accounting	6	25	75	100	3	4
	III	16UPA409	C.P.9 - Cost Accounting	5	25	75	100	3	4
	III	16UPA410	C.P.10 – Company Law	5	25	75	100	3	3
	III	16UPA411	C.P.11 – Principles of Management	4	25	75	100	3	3
	III	17UPA4A4	Allied 4- Industrial Law	6	25	75	100	3	5
	IV	16UPA4S2	Skill Based subject 2- Customer Relationship Management	2	25	75	100	3	3

	IV	15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**	2		75	3	2
V	III	17UPA512	C.P.12 - Corporate Accounting	6	25	75	100	4
	III	17UPA513	C.P.13 - Financial Management	6	25	75	100	4
	III	17UPA514	C.P.14 - Direct Tax	6	25	75	100	5
	III	16UPA515	C.P.15 – Principles of Marketing	5	25	75	100	3
	III	16UPA5E1	Major Elective 1 -	5	25	75	100	5
	IV	16 UPA5S3	Skill Based subject 3- Entrepreneurship Development	2	25	75	100	3
VI	III	17UPA616	C.P.16– Management Accounting	5	25	75	100	4
	III	17UPA617	C.P.17 – Principles of Auditing	4	25	75	100	3
	III	17UPA618	C.P.18 – Indirect Tax	4	25	75	100	3
	III	16UPA619	C.P.19 – Banking Theory, Law & Practice	4	25	75	100	3
	III	16UPA6E2	Major Elective 2 –	5	25	75	100	5
	III	16UPA6Z1	Professional Training cum Project***	6	20	80	100	5
	IV	16UPA6S4	Skill Based subject 4- Investment Management	2	25	75	100	3
	V	15NCC/NSS/ YRC/PYE101	Extension Activities*	-	50	-	50	1
			Total				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

Components of Computer Applications – Practical

CIA/ESE	Components	Program 1	Program 2	Marks
CIA	CIA Practical Exam	10	15	25
	Observation Note Book	-	-	10
	Attendance	-	-	5
	Total Internal Marks	-	-	40
ESE	Practical	25	25	50
	Record	-	-	10
	Total External Marks			60
Total Marks (CIA + ESE)		-	-	100

Component for Project		
CIA/ESE	Components	Marks
CIA	Project Review	10
	Regularity	10
	Total Internal Marks	20
ESE	Project Report	60
	Viva voce	20
	Total External Marks	80
Total Marks (CIA + ESE)		100

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

- | | |
|---------------------------------------|----------------------------------|
| 1. Financial Markets and Institutions | 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

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COIMBATORE-29

END SEMESTER EXAMINATIONS QUESTION PAPERS PATTERN

(For the candidates admitted from the Academic year 2017-18)

Max Marks: 75

SECTION – A

10X1= 10 Marks

10 Questions (Choose the best answer: Two Questions from each unit with four choices)

SECTION – B

5 X 5 = 25 Marks

5 Questions either or type (one question from each unit)

SECTION – C

5 x 8 = 40 Marks

5 Questions either or type (one question from each unit)

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)
COIMBATORE-641029

BUSINESS ADMINISTRATION WITH COMPUTER APPLICATIONS
Curriculum & Scheme of Examination under CBCS
APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR
2017-2018 onwards.

Semester	Part	Subject code	Title of the Paper	Instruction Hours/Cycle	Exam. Marks			Durations of Exam (Hours)\$	Credit
					CIA	ESE	Total		
I	I	17TML1A1	Language I- Tamil I/Hindi I/French I / Malayalam I/Sanskrit I	6	25	75	100	3.00	3
	II	15ENG101	English I	6	25	75	100	3.00	3
	III	17UBA101	C.P.1 Principles of Management and Organizational Behaviour	5	25	75	100	3.00	4
		15UBA102	C.P.2 -Introduction to Information Technology	5	25	75	100	3.00	4
		15UBA1A1	Allied. A 1 -Mathematics for Management-I	6	25	75	100	3.00	5
	IV	15EVS101	Environmental Studies**	2	-	50	50	3.00	2
II	I	17TML2A2	Language II-Tamil II/Hindi II/French II/Malayalam II/Sanskrit II	6	25	75	100	3.00	3
	II	15ENG202	English II	6	25	75	100	3.00	3
	III	15UBA203	C.P.3 - Principles of Financial Accounting	5	25	75	100	3.00	4
		17 UBA 204	C.P.4 - Business Communication	2	25	75	100	3.00	4
		15 UBA2CL	C.Pr.1 -Programming Laboratory(PC Software)	3	40	60	100	3.00	2
		15 UBA2A2	Allied A 2 -Mathematics for Management – II	6	25	75	100	3.00	5
	IV	15VED201	Value Education- Moral and Ethics**	2	-	50	50	3.00	2

III	III	16UBA305	C.P.5-Marketing Management	5	25	75	100	3.00	4
		15UBA306	C.P.6-Production and Material Management	5	25	75	100	3.00	4
		16UBA307	C.P.7-Financial Management	5	25	75	100	3.00	4
		15UBA3CM	C.Pr.2- Programming Laboratory (Tally ERP 9)	6	40	60	100	3.00	3
		16UBA3A3	Allied B1-Business Economics	5	25	75	100	3.00	5
	IV	17UBA3S1	Skill Based Subject 1- Common Aptitude Skills (Online)	2	25	75	100	3.00	3
		15TBT301 / 15TAT301 / 15UHR3N1	Basic Tamil**/Advanced Tamil**/Non Major elective**-Human Rights.	2	-	75	75	3.00	2
IV	III	15UBA 408	C.P.8-Human Resource Management	6	25	75	100	3.00	5
		17UBA409	C.P.9-Global Business Management	6	25	75	100	3.00	5
		15UBA410	C.P.10- Internet and Web Page Designing	4	25	75	100	3.00	4
		15UBA4CN	C.Pr.3-Programming Laboratory(Internet and Web Page Designing	4	40	60	100	3.00	2
		15UBA4AL	Allied Pr.1-Functional English for Executives	6	50	50	100	3.00	5
	IV	15UBA4S2	Skill Based Subject2-Marketing of Services	2	25	75	100	3.00	3
		15TBT402 / 15TAT402 / 15UWR4N2	Basic Tamil*/ Advanced Tamil**/ Non major elective**- Women's Rights	2	-	75	75	3.00	2

V	III	17UBA511	C.P.11-Research Methods for Management	6	25	75	100	3.00	4
		16UBA512	C.P.12-Cost and Management Accounting	6	25	75	100	3.00	4
		15UBA513	C.P.13-RDBMS& ORACLE	5	25	75	100	3.00	4
		15UBA5CO	C.Pr.4-Programming Laboratory (RDBMS & ORACLE)	5	40	60	100	3.00	2
		15UBA51T	Institutional Training##	GRADE					
		15UBA 5E1	Elective Paper 1	6	25	75	100	3.00	5
	IV	16UBA5S3	Skill Based Subject 3- Goods and Service Tax	2	25	75	100	3.00	3
VI	III	16UBA 614	C.P.14 – Business Law	6	25	75	100	3.00	4
		16UBA615	C.P.15- VISUAL BASIC	5	25	75	100	3.00	4
		16UBA6CP	C.Pr.5-Programming Laboratory (VISUAL BASIC)	5	40	60	100	3.00	2
		15UBA 6E2	Elective Paper 2	6	25	75	100	3.00	5
		16UBA6S4	Skill Based Subject 4- Management Information System.	2	25	75	100	3.00	3
	IV	15UBA 6Z1	Project work & viva-voce***	6	20	80#	100	3.00	4
	V	\$\$	EXTENSION ACTIVITIES(NSS/NCC/PYE/YRC)*	-	50	-	50	-	1

\$\$ NCC-15NCC101, NSS-15NSS101, YRC-15YRC101, PYE-15PYE101.

@Hindi-15H1N101/202, French-15FRN101/202, Malayalam-15MLM101/202, Sanskrit-15SAN101/202

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

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

Record 60 Marks. Viva Voce-20 Marks.

- The internal and external Examiner shall jointly evaluate the Project Report and conduct the Viva-Voce. # 20 Marks is assigned for Internals and for External-Project Record Carries 60 marks, Viva-voce Carries 20 marks.

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 remains the same as stated below.

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

CBCS- choice based credit system. NSS-National service scheme.

Lan- Language.

YRC-Youth Red Cross

SBS- Skill based subject.

ESE-End of semester Examination.

NCC-National based subject.

PYE-Sports.

- 25% CIA is applicable to all subjects under Part I, Part II, Part III, and skill based subjects under Part IV and the proportion of marks for the lab is in the ratio of 40:60(INTERNAL/EXTERNAL).
- There is no CIA for the subjects under part IV except skill based subjects.
- Extension activities like NCC/NSS/ PYE /YRC are conducted after the college hours.
- ##Institutional training for a period of one month (30days) in various industrial establishments is to be completed in fourth semester vacation followed by submission of report in the fifth semester and awarded marks by the respective faculty after conducting the Internal viva-voce.
- Project work***, which is compulsory, carries 100 marks. A student should select a topic for project work in the beginning of the sixth semester and should submit the project report (dissertation) at the end of sixth semester. There is a viva-voce for the project work. Internal and External examiner shall jointly evaluate the project report and conduct the viva-voce.

Major Electives:

1. Entrepreneurial development and project management.
2. Product and strategy management.
3. Investment and portfolio management.
4. Retail Management.

1. Break up Marks for CIA of Theory

CIA Exam	-	15
Assignment	-	5
Attendance	-	5
Total		<u>25</u>

2. Components of Practical

Break up marks for CIA of Practical

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	5
Total		<u>40</u>

3. Break up of mark for ESE Practical:

Practical: The question paper pattern should be furnished as given below for each practical syllabus as it is followed by the department concerned.

Experiment	50 marks
Record	10 marks
Total	60 marks

The breakup of marks and question paper pattern prescribed for theory and practical are for the core subjects only. For other subjects like allied, elective and general subjects, if marks changed, the College hand book may be referred and mentioned under each syllabus accordingly.

3. Components 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.

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE-29**

END SEMESTER EXAMINATIONS QUESTION PAPERS PATTERN

(For the candidates admitted from the Academic year 2014-15)

Max Marks: 75

SECTION – A

10 X 1 = 10 Marks

10 Questions (Choose the best answer: Two Questions from each unit with four choices)

SECTION – B

5 X 5 = 25 Marks

5 Questions either / or type (one question from each unit)

SECTION – C

5 x 8 = 40 Marks

5 Questions either / or type (one question from each unit)

KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]
COIMBATORE - 641 029
B.SC COSTUME DESIGN AND FASHION
CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS
[APPLICABLE TO THE STUDENTS ADMITTED DURING THE
ACADEMIC YEAR 2017-2018 ONWARDS]

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam marks			Duration of Exam. (hours)	Credits
					CIA	ESE	Total		
I	I	16TML1A1	Language -Tamil I @	6	25	75	100	3	3
	II	15ENG101	Language - English for Literary and Career Orientation	6	25	75	100	3	3
	III	17UCD101	C.P.1 – Pattern making	5	25	75	100	3	4
		17UCD1CL	C.Pr.1– Basics of Apparel Designing	6	40	60	100	4	3
		16UCD1AL	Allied.Pr.1 Surface Ornamentation	5	40	60	100	3	5
	IV	15EVS101	Environmental studies**	2	-	50	50	3	2
II	I	15TML2A2	Language-Tamil II @	6	25	75	100	3	3
	II	15ENG202	Language - English II	6	25	75	100	3	3
	III	16UCD202	C.P.2 – Fiber To Yarn	3	25	75	100	3	3
		17UCD203	C.P.3- Fashion Designing and Fashion Psychology	3	25	75	100	3	4
		17UCD2CM	C.Pr.2 – Apparel Designing- Kids Wear	5	40	60	100	4	3
		17UCD2AM	Allied. Pr.2. Fashion Sketching	5	40	60	100	3	5
		16VED201	Value Education – Moral & Ethics**	2	-	50	50	3	2
III	III	15UCD31T	# Internship Training in Textile Unit	Grade					
		16UCD304	C.P.4– Weaving	5	25	75	100	3	4
		16UCD305	C.P.5 – Garment Production machineries	4	25	75	100	3	4
		17UCD3CN	C Pr.3 –Apparel Designing- Women's Wear	6	40	60	100	4	3
		17UCD3CO	C.Pr.4. Fashion Illustration	5	40	60	100	3	3
		15UCD3A1	Allied.P.1- Accounting and Export Management	6	25	75	100	3	5
	IV	15UCD3S1	Skill based subject 1 – Introduction to Textile Testing	2	25	75	100	3	3
		15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* / Advanced Tamil** / Non Major Elective-I Human Rights**	2		75		3	2
IV		16UCD406	C.P.6 - Knitting	4	25	75	100	3	4
		17UCD407	C.P. 7- Textile Processing	5	25	75	100	3	4

	III	16UCD4CP	C Pr. 5 -Textile Processing	5	40	60	100	3	3
		17UCD4CQ	C Pr.6 - Apparel Designing - Men's wear	6	40	60	100	4	4
		15UCD4A2	Allied P. 2 - Fundamentals of Research and Statistics	6	25	75	100	3	5
	IV	15UCD4SL	Skill based subject 2 – Textile Testing I practical	2	40	60	100	3	3
		15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil* / Advanced Tamil** / Non Major Elective II** Women's Rights	2		75		3	2
V	III	15UCD5IT	# Internship training in Textile Unit	Grade					
		16UCD508	C.P.8- Introduction to Technical Textiles	6	25	75	100	3	4
		15UCD509	C.P.9 – Apparel Marketing & Merchandising	5	25	75	100	3	4
		17UCD5CR	C.Pr. 7. Accessories and Jewellery Making	6	40	60	100	4	4
		17UCD5CS	C.Pr.8 - Computer Aided Design I	6	40	60	100	4	3
		15UCD5E1	Major Elective I	5	25	75	100	3	5
	IV	15UCD5SM	Skill Based subject-3 Textile Testing II practical	2	40	60	100	3	3
VI	III	16UCD610	C.P.10. Visual Merchandising and Display	6	25	75	100	3	5
		17UCD6CT	C.Pr.9. Computer Aided Design – II	6	40	60	100	4	3
		17UCD6Z1	Project Work***	6	20	80	100	-	5
		16UCD6CU	C.Pr.10 Home Furnishing	5	40	60	100	3	3
		15UCD6E2	Major Elective II	5	25	75	100	3	5
	IV	16UCD6S2	Skill Based subject 2 – Apparel Quality Inspection and Standards	2	25	75	100	3	3
	V	NSS/ NCC/ YRC	Extension Activities*	-	50	-	50	-	1
			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 **Five papers**

1. Organization of Garment Unit
2. Global Fashion Market
3. Fabric Care
4. Basics of Draping
5. Historic Costumes of India

Non-Major Elective papers

1. Human Rights
2. Women's Rights

Part-wise total marks:

	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
4.	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
5.	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. Jewelry making
- **Diploma Courses** offered by the department
 1. Fashion Design
 2. Garment Merchandising
 3. Garment Manufacturing Technology

MARKS SPLIT - UP FOR THEORY AND PRACTICALS CIA AND ESE

1. 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	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.

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).

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 2017-2018 onwards)

Semester	Subject Code	TITLE OF THE PAPER		Instruction Hrs./cycle	MARKS			Exam Duration (Hrs)	Credit Points
					CIA	ESE	Total		
I	17PEL101	C.P.1	Chaucer & the Elizabethan Age	6	25	75	100	3	4
	17PEL102	C.P.2	The Augustan & the Romantic Age	6	25	75	100	3	4
	17PEL 103	C.P.3	The Victorian Age & the Twentieth Century English Literature	6	25	75	100	3	4
	17PEL 104	C.P.4	Indian Writing in English	6	25	75	100	3	4
	17PEL1N1	NME	Non-Major Elective I	6	25	75	100	3	5
II	17PEL205	C.P.5	Shakespeare	6	25	75	100	3	4
	17PEL206	C.P.6	American Literature	5	25	75	100	3	4
	17PEL207	C.P.7	New Literatures in English	5	25	75	100	3	4
	17PEL208	C.P.8	Methods of Teaching English	4	25	75	100	3	4
	17PEL209	C.P.9	Computer Applications – I– Theory Page Maker	4	15	45	60	3	3
	17PEL2CL	C.Pr.I	Computer Applications – I– Practical Page Maker	2	16	24	40	3	1
	17PEL2N2	NME	Non-Major Elective II	4	25	75	100	3	5
III	17PEL310	C.P.10	Literary Theory and Criticism	5	25	75	100	3	3
	17PEL311	C.P.11	Single Author Study	5	25	75	100	3	4
	17PEL312	C.P.12	The English Language	5	25	75	100	3	4
	17PEL313	C.P.13	World Literature	5	25	75	100	3	4
	17PEL314	C.P.14	Computer Applications – II– Theory Internet and HTML Programming	4	15	45	60	3	3
	17PEL3CM	C.Pr.II	Computer Applications –II – Practical Internet and HTML Programming	2	16	24	40	3	1
	17PEL3E1	ME	Major Elective- 1	4	25	75	100	3	5

Semester	Subject Code	TITLE OF THE PAPER		Instruction Hrs./cycle	MARKS			Exam Duration (Hrs)	Credit Points
					CIA	ESE	Total		
IV	17PEL415	C.P.15	English Language Teaching	6	25	75	100	3	4
	17PEL416	C.P.16	General Essay	6	25	75	100	3	3
	17PEL417	C.P.17	Research Methodology	6	25	75	100	3	4
	17PEL4E2	ME II	Major Elective - II	6	25	75	100	3	5
	17PEL4Z1	C.P.18	Project and Viva Voce	6	20	80	100	3	4

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

Sem-II	16PEL0D1	ALC 1	The Art of Public Speaking	-	-	100	100	3	2
Sem- III	16PEL0D2	ALC2	Personality Development	-	-	100	100	3	2
Sem-IV	16PEL0D3	ALC 3	Women's Studies	-	-	100	100	3	2

JOB ORIENTED COURSE (JOC) SEMESTER-I									
English for Competitive Examinations									
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.Children's Literature
- 4.Women's Studies

Non Major Elective Papers

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

1. Green Studies
2. Dalit Literature
3. Science Fiction
4. Soft Skills & Personality Development.

PART WISE TOTAL MARKS

SUBJECT	No. of Subjects	TOTAL MARKS	TOTAL CREDITS
CORE - THEORY / PRACTICALS	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

CP - Core Paper

CPr. - Core Practical

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

(Applicable to students admitted from the academic year 2017-2018 onwards)
Maximum Marks in End Semester Examination – 75 Marks Time - 3hrs

For all Core Papers (Except-C.P-9 – Page Maker & C.P.14-Internet and HTML Programming) , Major & Non Major Electives the following pattern will be followed:

SECTION A (10X1=10 marks)

Questions 1 – 10 (10x1=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 (5X3=15 marks)

Questions 11 – 15 (5X3=15)

Short Notes in about **150 words** each of either/or type should be taken from all the five Units.

All Questions carry equal marks.

SECTION-C (5X10=50 marks)

Questions 16 – 20

Essay type Questions in about **600 words** each of either/or type, should be taken from all five units.

COMPUTER PAPERS

Question Paper Pattern for Core Papers 17PEL209, 17PEL314

(Applicable to students admitted from the academic year 2017-2018 onwards)

Maximum Marks in End Semester Examination – 45 Marks –Time-3hrs

Answer all of the following questions

Section – A 5 x 3 =15 Marks

Five questions either or type

(One question from each unit)

Section – B 5 x 6 = 30 Marks

Five questions either or type (One question from each unit)

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.

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 2017–2018 and onwards)

Semester	Subject code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam. Hrs.	Credit
				CIA	ESE	Total		
I	15PPH101	C.P 1- Classical Mechanics	5	25	75	100	3	5
	15PPH102	C.P 2- Mathematical Physics	5	25	75	100	3	5
	17PPH103	C.P 3- Modern Optics	5	25	75	100	3	5
	17PPH1N1	1N1 – Non Major Elective I : Electronics and Microprocessors / Applied Physics	5	25	75	100	3	5
	15PPH2CL	C. Pr 1- General Experiments	5	-	-	-	-	-
	15PPH2CM	C. Pr 2- Electronics Experiments	5	-	-	-	-	-
II	15PPH204	C.P 4- Quantum Mechanics –I	5	25	75	100	3	4
	16PPH205	C.P 5- Thermodynamics and Statistical mechanics	5	25	75	100	3	4
	15PPH206	C.P 6- Thin Film Physics, Plasma Physics and Crystal growth	4	25	75	100	3	4
	15PPH207	C.P 7- Nuclear and Particle Physics	4	25	75	100	3	4
	17PPH2N2	2N2 – Non Major Elective II: Energy Physics / Industrial Physics	4	25	75	100	3	5
	15PPH2CL	C.Pr 1 - General Experiments	4	40	60	100	4	3
	15PPH2CM	C.Pr 2 - Electronics Experiments	4	40	60	100	4	3
III	15PPH308	C.P 8- Quantum Mechanics-II	5	25	75	100	3	5
	15PPH309	C.P 9- Electromagnetic theory and Electrodynamics	5	25	75	100	3	5
	15PPH310	C.P.10 Solid State Physics	5	25	75	100	3	5
	17PPH3E1	Major Elective I: Nanotechnology: Principles and Applications / Atmospheric Science	5	25	75	100	3	5
	15PPH4CN	C. Pr 3- Advanced Experiments	5	-	-	-	-	-
	15PPH4CO	C. Pr 4 - Special Electronics Experiments	5	-	-	-	-	-

PPH2

IV	15PPH411	C.P. 11 Communication Physics	5	25	75	100	3	4
	15PPH412	C.P 12 - Atomic & Molecular Spectroscopy	5	25	75	100	3	4
	17PPH4N2	Major Elective II: Biomedical Instrumentation / Problems in Physics	5	25	75	100	3	5
	15PPH4CN	C. Pr 3 - Advanced Experiments	5	40	60	100	6	3
	15PPH4CO	C. Pr 4 - Special Electronics Experiments	5	40	60	100	6	3
	15PPH4Z1	Project and Viva Voce	5	40	160	200	-	4
		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 ASSESMENT
- ESE–END OF SEMESTER EXAMINATION

1. 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 200 marks (PG)
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 both the project Supervisor (Faculty of the Department) and an External Examiner.

Question Paper Pattern for CIA and ESE

Theory Maximum marks: 75

Section A (10 x 1 =25 marks)

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

Section B (5x 5 =25 marks)

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

Section C (5x 8 =40 marks)

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

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 2017 – 2018 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	17PCH101	C.P.-1- Organic Chemistry - I	5	25	75	100	3	5
	17PCH102	C.P. 2 - Inorganic Chemistry - I	5	25	75	100	3	5
	17PCH1E1	ME-1 Major Elective - I	5	25	75	100	3	5
	17PCH1N1	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	-	-	-	-	-
II	17PCH203	C.P. 3 - Physical Chemistry - I	5	25	75	100	3	5
	17PCH204	C.P. 4 - Organic Chemistry - II	5	25	75	100	3	5
	17PCH205	C.P. 5 - Inorganic Chemistry - II	5	25	75	100	3	5
	17PCH2CL	C.Pr.1 - Organic Chemistry Practical - I	5	40	60	100	6	3
	17PCH2CM	C.Pr.2 - Inorganic Chemistry Practical-I	5	40	60	100	6	3
	17PCH2CN	C.Pr.3 - Physical Chemistry Practical-I	5	40	60	100	6	2
III	17PCH306	C.P. 6 - Physical Chemistry - II	5	25	75	100	3	5
	17PCH307	C.P. 7 - Spectroscopy	5	25	75	100	3	5
	17PCH308	C.P.8 - Organic Chemistry - III	5	25	75	100	3	5
	17PCH309	C.P.9- Inorganic Chemistry-III	5	25	75	100	3	5
	17PCH3CO	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	-	-	-	-	-
IV	17PCH410	C.P.10 - Physical Chemistry - III	5	25	75	100	3	5
	17PCH4E2	ME-2 - Major Elective - II	5	25	75	100	3	5
	17PCH4N2	NME- 2 - Non-Major Elective - II	5	25	75	100	3	5
	17PCH4CP	C.Pr.5 - Organic Chemistry Practical - II	5	40	60	100	6	2
	17PCH4CQ	C.Pr.6 - Inorganic Chemistry Practical-II	5	40	60	100	6	2
	17PCH4Z1	Project Work & Viva -Voce	5	40	160	200	-	6
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. Bio inorganic 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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

COIMBATORE- 641 029.

M.Sc. BOTANY

Curriculum & Scheme of Examination under CBCS

(Applicable to Students Admitted from the Academic Year (2017-2018))

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
I	17PBO101	C.P.1 - Biodiversity -I	6	25	75	100	3	4
	17PBO102	C.P.2 - Plant diversity – II	6	25	75	100	3	4
	17PBO103	C.P.3 - Developmental Biology	6	25	75	100	3	4
	16PBO1E1	Major Elective I	6	25	75	100	3	5
		C.Pr.1 - Biodiversity - I, Plant diversity II. & Developmental biology	6					
II	15PBO204	C.P.4- Bioinformatics	6	25	75	100	3	5
	17PBO205	C.P.5 - Cytology, Genetics, Plant Breeding and Biostatistics.	6	25	75	100	3	4
	17PBO206	C.P.6 - Ecology, Bioenergetics and Natural Resource Management.	6	25	75	100	3	4
	17PBO2E2	Major Elective II	6	25	75	100	3	5
	17PBO2CL	C.Pr.1- Biodiversity-I, Plant diversity-II & Developmental biology		40	60	100	4	4
	15PBO2CM	C.Pr.2 - Cytology, Genetics, Plant Breeding and Biostatistics, Ecology, Bioenergetics and Natural Resources Management.	4	40	60	100	4	4
	15PBO2CN	C.Pr.3 – Bioinformatics	2	40	60	100	4	4
III	17PBO307	C.P.7 - Taxonomy and Biosystematics	7	25	75	100	3	4
	17PBO308	C.P.8 - Biotechnology & Nanobiology	7	25	75	100	3	4
	17PBO309	C.P.9 – Pharmacognosy.	6	25	75	100	3	4
	17PBO3N1	Non major Elective I	6	25	75	100	3	5
	17PBO3CO	C.Pr.4 – Taxonomy and Biosystematics, Biotechnology and Nanobiology.	4	40	60	100	4	4
IV	17PBO410	C.P.10 –Biochemistry & Biophysics	7	25	75	100	3	4
	17PBO411	C.P.11 –Plant Physiology	7	25	75	100	3	4
	16PBO4N2	Non major Elective II	6	25	75	100	3	5
	17PBO4CP	C.Pr.5 - Plant Physiology, Biochemistry & Biophysics.	4	40	60	100	4	3
	15PBO4Z1	Project Work & Viva – Voce	6	40	160	200	-	6
		Total				2200		90

Major Elective Papers

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

1. Forest Resources and Utilization
2. Seed Technology
3. Modern Methods of Plant Analysis and Bioinstrumentation
4. Food Science and Nutrition

Non Major Elective Papers

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

1. Microbiology – Concepts and Applications
2. Horticulture
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 Course

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
II	17PBO2J1	JOC - Floriculture and Landscaping	4	-	100	100	3	2
	15PBO2J2	JOC – Food Processing and Preservation	4	-	100	100	3	2

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.

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 2017-2018)

Semester	Subject code/ Question paper code	Title of the paper	Instructions hours/cycle	Exam Marks			Duration of Exam (Hrs)	Credits
				CIA	ESE	Total		
I	17PBC101	C.P.1 Biomolecules	6	25	75	100	3	4
	17PBC102	C.P.2 Bioanalytical Techniques	6	25	75	100	3	4
	17PBC103	C.P.3 Enzymes and Enzyme Technology	6	25	75	100	3	4
	17PBC104	C.P.4 Molecular Cell Biology	6	25	75	100	3	4
	17PBC1CL	C.Pr.1 Biochemistry Practical - I	6	40	60	100	6	4
II	17PBC205	C.P.5 Metabolic Regulation	5	25	75	100	3	4
	17PBC206	C.P.6 Plant Biochemistry and Biotechnology	5	25	75	100	3	4
	17PBC207	C.P.7 Human Physiology and Endocrinology	5	25	75	100	3	4
	17PBC208	C.P.8 Molecular Biology	5	25	75	100	3	4
	17PBC2CM	C.Pr.2 Lab in Plant Biotechnology, Physiology and Molecular biology	5	40	60	100	5	4
	17PBC2E1	E.P.1 Major Elective- I	5	25	75	100	3	5
III	17PBC309	C.P.9. Immunology	5	25	75	100	3	4
	17PBC310	C.P.10 Genetic Engineering	5	25	75	100	3	4
	17PBC311	C.P.11 Clinical Biochemistry	5	25	75	100	3	4
	17PBC312	C.P.12 Biostatistics and Research Methodology	5	25	75	100	3	5
	17PBC3CN	C.Pr.3 Lab in Immunology and Clinical biochemistry	5	40	60	100	5	4
	17PBC3N1	E.P.1 Non-major Elective –I	5	25	75	100	3	5
IV	17PBC413	C.P.13 Drug Biochemistry	5	25	75	100	3	4
	17PBC4E2	E.P.2 Major Elective- II	6	25	75	100	3	5
	17PBC4N2	E.P.2 Non-major Elective –II	6	25	75	100	3	5
	17PBC4Z1	Project and Viva-voce	13	40	160	200	-	5
*Project record 120 marks + Viva-voce examination 40 marks								

ADVANCED LEARNERS COURSE UNDER SELF STUDY SCHEME

17PBCOD1	Bionanotechnology
17PBCOD2	Nutraceuticals and Functional foods
17PBCOD3	Stem cell biology

JOB ORIENTED COURSE

17PBCOJ1	Bioenterpreneurship
17PBCOJ2	Food safety and Quality control

PBC – 2

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 2017-18 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. Biotechnology
2. Microbiology
3. Bioinformatics

Non – Major Elective Papers

1. Clinical and therapeutic nutrition
2. Bioethics, biosafety and IPR
3. Environmental toxicology

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



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

M.Sc. BIOTECHNOLOGY

Curriculum & Scheme of Examination under CBCS

(Applicable for the Students admitted during the Academic Year 2017 - 2018 onwards)

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
I	15PBT101	C.P.1 – Biochemistry	5	25	75	100	3	5
	17PBT102	C.P.2 – Biostatistics and Bioinstrumentation	5	25	75	100	3	5
	15PBT103	C.P.3 - Cell Biology and Molecular Genetics	5	25	75	100	3	5
	17PBT104	C.P.4 – Microbiology	5	25	75	100	3	5
	17PBT1CL	C.Pr.1- Lab in Biochemistry and Bioinstrumentation	5	40	60	100	6	3
	17PBT1CM	C.Pr.2- Lab in Molecular Genetics and Microbiology	5	40	60	100	6	3
II	15PBT205	C.P.5 – Immunotechnology	5	25	75	100	3	5
	15PBT206	C.P.6 - Animal Biotechnology	5	25	75	100	3	4
	15PBT207	C.P.7 – Genetic Engineering	5	25	75	100	3	5
	15PBT208	C.P.8 – Environmental Biotechnology and Intellectual Property Rights	5	25	75	100	3	4
	17PBT2CN	C.Pr.3 - Lab in Immunotechnology and Animal Biotechnology	5	40	60	100	6	3
	17PBT2CO	C.Pr.4- Lab in Molecular Biology, Genetic Engineering and Environmental Biotechnology	5	40	60	100	6	3
III	17PBT309	C.P.9 - Bioprocess Technology	5	25	75	100	3	4
	17PBT310	C.P.10 - Plant Biotechnology	5	25	75	100	3	4
	17PBT311	C.P.11 – Genomics, Proteomics & Systems Biology	5	25	75	100	3	4
	17PBT3CP	C.Pr.5-Lab in Bioprocess Technology, Plant Biotechnology and Bioinformatics	5	40	60	100	6	3
	17PBT3E1	Major Elective I	5	25	75	100	3	5
	17PBT3N1	Non-Major Elective I – (On-line)	5	25	75	100	3	5
	17PBT3ST	Summer Training @@	-	-	-	-	-	-
IV	17PBT4Z1	Project Work *	20	40	160*	200	3	5
	17PBT4E2	Major Elective II	5	25	75	100	3	5
	17PBT4N2	Non-Major Elective II - (On-line)	5	25	75	100	3	5
Total			120			2200		90

KONGUNADU ARTS & SCIENCE COLLEGE [AUTONOMOUS]

COIMBATORE-29

MASTER OF SCIENCE IN COMPUTER SCIENCE

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR **2017-2018** AND ONWARDS]

Semester	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
				CIA	ESE	Total		
I	17PCS101	C.P.1 Data Structures using C++	5	25	75	100	3	4
	17PCS102	C.P.2 Data Communications and Networks	5	25	75	100	3	4
	17PCS103	C.P.3 Information Security	5	25	75	100	3	4
	17PCS104	C.P.4 Relational Database Management Systems	5	25	75	100	3	4
	17PCS1CL	C.Pr.1 Data Structures using C++ Lab	5	30	45	75	3	3
	17PCS1CM	C.Pr.2 RDBMS Lab	5	30	45	75	3	3
II	17PCS205	C.P.5 Advanced Java Programming	4	25	75	100	3	4
	17PCS 206	C.P.6 Wireless Networks	4	25	75	100	3	4
	17PCS 207	C.P.7 .NET Framework	4	25	75	100	3	4
	17PCS 208	C.P.8 Software Project Management	4	25	75	100	3	4
	17PCS2E1	Elective Paper – I	4	25	75	100	3	4
	17PCS2CN	C.Pr.3 Advanced Java Lab	5	30	45	75	3	3
	17PCS2CO	C.Pr.4 .NET Lab	5	30	45	75	3	3
III	17PCS 309	C.P.9 Open Source Systems	5	25	75	100	3	4
	17PCS 310	C.P.10 Unix and Linux Programming	5	25	75	100	3	4
	17PCS 311	C.P.11 Data Mining and Warehousing	5	25	75	100	3	4
	17PCS 3Z1	Mini Project	---	15	60*	75	3	3
	17PCS 3E2	Elective Paper - II	5	25	75	100	3	4
	17PCS3CP	C.Pr.5 Open Source Lab	5	30	45	75	3	3
	17PCS3CQ	C.Pr.6 Unix and Linux Programming Lab	5	30	45	75	3	3

IV	17PCS412	C.P.12 Software Testing	5	25	75	100	3	4
	17PCS4E3	Elective Paper - III	5	25	75	100	3	4
	17PCS4CR	C.Pr.7 Software Testing Lab	5	30	45	75	3	3
	17PCS4Z2	Project and Viva-Voce	15	40	160**	200	3	6
TOTAL			2300				90	

*Project Record – 45 and Viva-Voce – 15

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

TALLY TABLE

Subject Groups	Total Marks	Total Credits
Core Theory	1200	48
Electives	300	12
Practicals	525	21
Mini Project	75	3
Project	200	6
	2300	90

List of Electives:

1. Intelligent Computing
2. Digital Image Processing
3. Big Data Analytics
4. Network Security And Cryptography
5. Bio-Inspired Computing
6. Advanced Computing
7. Green Computing
8. Enterprise Web Services
9. Artificial Intelligence and Expert Systems
10. Distributed Systems
11. Virtual Reality
12. Embedded Systems

ADVANCED LEARNERS COURSE [ALC] - SELF STUDY SCHEME [OPTIONAL]

Subject Code	Title of the Paper	Instruction Hours/Cycle	Exam Marks			Duration of the Exam.(Hours)	Credits
			CIA	ESE	TOTAL		
17PCS0D1	ALC.1 Programming in C#	-	-	100	100	3	4
17PCS0D2	ALC.2 J2EE	-	-	100	100	3	4

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 2017-2018 onwards)

Semester	Subject Code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hrs)	Credits
				CIA	ESE	Total		
I	15PCM101	C.P.1 Financial Management	5	25	75	100	3	4
	17PCM102	C.P.2 Marketing Research	5	25	75	100	3	4
	15PCM103	C.P.3. Human Resource Management	5	25	75	100	3	4
	16PCM104	C.P.4. Organizational Behaviour	5	25	75	100	3	4
	17PCM105	C.P.5. Global Business Environment	5	25	75	100	3	4
	15PCM1N1	Non-Major Elective I	5	25	75	100	3	5
II	17PCM206	C.P.6. Advanced Corporate Accounting	6	25	75	100	3	4
	17PCM207	C.P.7.Security Analysis and Portfolio Management	6	25	75	100	3	4
	17PCM208	C.P.8 Management of Small Enterprises	6	25	75	100	3	4
	16PCM209	C.P.9. Services Marketing	6	25	75	100	3	4
	15PCM2N2	Non-Major Elective-II	6	25	75	100	3	5
III	15PCM310	C.P.10 Applied Cost Accounting	6	25	75	100	3	4
	17PCM311	C.P.11 Income Tax Law and Practice	5	25	75	100	3	4
	15PCM312	C.P.12 International Trade	5	25	75	100	3	4
	15PCM313	C.P.13 Business Research Methods	5	25	75	100	3	4
	15PCM4CL	C.Pr.1 Computer Application and Practicals	4	---	---	---	---	---
	15PCM3E1	Major Elective I	5	25	75	100	3	5
IV	15PCM414	C.P.14 Management Accounting	6	25	75	100	3	4
	17PCM415	C.P.15 Indirect Taxation	6	25	75	100	3	4
	15PCM4CL	C.Pr.1 Computer Application and Practicals	6	40	60	100	3	4
	15PCM4E2	Major Elective-II	6	25	75	100	3	5
	15PCM4Z1	Project Work and Viva - Voce	6	40	160*	200	3	6
		Total				2200		90

* Project Report 120 Marks, Viva Voce 40 Marks

Major Elective Papers

1. Bank Management
2. Executive Communication
3. Industrial Relations and Labour Law
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

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

Subject code	Title of the Paper	ESE Marks	Duration of Exam Hours	Credits
12PCM0D1	ALC-1 – Banking and Financial Services	100	3	2
12PCM0D2	ALC-2- Insurance Principles and Practice	100	3	2
12PCM0D3	ALC-3- Advertising Management	100	3	2

JOB ORIENTED COURSES (JOC) -OPTIONAL

Subject code	Title of the Paper	ES E Marks	Duration of Exam Hours	Credits
13PCM0J1	JOC-1 Customer Relationship Management	100	3	2
13PCM0J2	JOC -2 Tally 9.0 Practical	100	3	2
13PCM0J3	JOC -3 Share Trading Operations	100	3	2

CBCS – Choice Based Credit System

ALC – Advanced Learners Course

CIA – Continuous Internal Assessment

ESE – End Semester Examinations

- ❖ 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.

Components of Computer Applications to Business - Practical

Break up Marks for CIA and ESE Practical

CIA/ESE	Components	Program 1	Program 2	Marks
CIA	CIA Practical Exam	10	15	25
	Observation Note Book	-	-	10
	Attendance	-	-	5
	<i>Total Internal Marks</i>	-	-	40
ESE	Practical	25	25	50
	Record	-	-	10
	<i>Total External Marks</i>			60
Total Marks (CIA + ESE)		-	-	100

Component for Project

CIA/ESE	Components	Marks
CIA	Project Review	30
	Regularity	10
	<i>Total Internal Marks</i>	40
ESE	Project Report	120
	Viva voce	40
	<i>Total External Marks</i>	160
Total Marks (CIA + ESE)		200

* 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.

QUESTION PAPER PATTERN FOR CIA AND ESE **THEORY**

Max. Marks = 75

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 type questions** (One question ‘a’ or ‘b’ from each unit)

SECTION – C

5 x 08 = 40 Marks

Q.No. 16 to 20: **Either/or type questions** (One question ‘a’ or ‘b’ from each unit)

**QUESTION PAPER PATTERN FOR ESE
(For ALC /JOC/PG Diploma)**

Max. Marks = 100

SECTION – A 10 X 1 = 10 Marks
10 Questions

(Two Questions from each unit question shall be in the form of
Multiple Choices, True or False questions and fill in the blanks types)

SECTION – B 5X 6 = 30 Marks

5 Questions - Either/ or type
(One question from each unit)

SECTION – C 5 X 12 = 60 Marks

5 Questions – Either / or type
(One question from each unit)