

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

COIMBATORE – 641 029



Prospectus with number of Courses in all Programs for the Academic Year 2015-2016

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(2015 – 2016)

CONTENT

S.no	Programme Code	Programme Name	Page.No
UG			
1	01	B.A. English Literature	1-4
2	02	B.Sc. Mathematics	5-8
3	03	B.Sc. Physics	9-13
4	04	B.Sc. Chemistry	14-18
5	05	B.Sc. Botany	19-22
6	06	B.Sc. Zoology	23-26
7	07	B.Sc. Biochemistry	27-30
8	08	B.Sc. Biotechnology	31-34
9	09	B.Sc. Computer Science	35-38
10	10	BCA	39-43
11	11	B.Sc. Computer Technology	44-48
12	12	B.Sc. Information Technology	49-53
13	13	B.COM	54-58
14	14	B.Com CA	59-62
15	15	B.COM PA	63-66
16	17	BBA CA	67-72
17	18	B.Sc. Costume Design & Fashion	73-77
PG			
18	01	M.A. English Literature	78-81
19	03	M.Sc. Physics	82-86
20	04	M.Sc. Chemistry	87-88
21	05	M.Sc. Botany	89-90
22	08	M.Sc. Biotechnology	91-92
23	09	M.Sc. Computer Science	93-95
24	10	M.Com	96-100
25	11	M.Sc. Computer Technology	101-106

**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 2015-2016 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
		15UEL102	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	15UEL3S1	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
		15UEL4A4	Allied IV: Applied Language	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
		15UEL512	Core XII-Introduction to Journalism	6	25	75	100	3	4
		15UEL5E1	Major Elective I	5	25	75	100	3	5
	IV	15UEL5S3	Skill Based Subject: III Professional English	2	25	75	100	3	3
VI	I	15UEL613	Core XIII-Shakespeare II	5	25	75	100	3	3
	II	15UEL614	Core XIV-Indian Literature in English Translation	5	25	75	100	3	3
	III	15UEL615	Core XV- Women's Writings in English	4	25	75	100	3	3
		15UEL616	Core XVI-World Literature in English	4	25	75	100	3	3
		15UEL6E2	Major Elective II	5	25	75	100	3	5
		15UEL6E3	Major Elective III	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

@ Hindi/Malayalam/ French/ Sanskrit – 12HIN/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

(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 2015-2016 & ONWARDS)

Semester	Subject Code/ Question Paper Code	Part		Title of the Paper	Instruction Hours	Exam. Marks			\$ Duration of Exam.	Credits
						CIA	ESE	Total		
I	15TML101 [@]	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
	15UMA1I1	III	AP A1	Statistics I	7	25	75	100	3	5
	15EVS101	IV	EVS	Environmental Studies**	2	-	50	50	3	2
II	15 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
	15UMA203	III	CP 3	Differential Equations and Laplace Transforms	4	25	75	100	3	4
	15UMA204	III	CP 4	Trigonometry, Vector calculus and Fourier Series	5	25	75	100	3	4
	15UMA2I2	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	15TML303 [@]	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
	15UMA306	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
	15TBT301 / 15TAT301/ 15UHR3N1		NMEP 1	Basic Tamil * / Advanced Tamil **/ Non - Major Elective Paper- I ** Human Rights	2	-	75	75	3	2

IV	15TML404 @	I	LAN	Tamil IV/ Hindi IV / Malayalam IV / French IV/Sanskrit IV	6	25	75	100	3	3
	15ENG404	II	LAN	English IV	6	25	75	100	3	3
	15UMA407	III	CP 7	Graph Theory	3	25	75	100	3	4
	15UMA408	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
	15UMA4S2	IV	SBS 2	Theory of Numbers	2	25	75	100	3	3
	15TBT402 / 15TAT402 / 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
	15UMA5S3	IV	SBS 3	Accountancy – I	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
	15UMA6E2	III	MEP 2	Major Elective Paper	5	25	75	100	3	5
	15UMA6E3	III	MEP 3	Major Elective Paper	5	25	75	100	3	5
	15UMA6S4	IV	SBS 4	Accountancy – II	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 2015 –2016 AND 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	15VED201	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	15TBT301/ 15TAT301/ 15UHR3N1	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
		15TBT402/ 15TAT402/ 15UWR4N2	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
		15UPH5E1	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
		15UPH6E2	Major Elective Paper - II Energy Sources and Nanoscience / Object oriented programming in C++	4	25	75	100	3	5
		15UPH6E3	Major Elective Paper - III Electronic Instrumentation / Introduction to Biophysics	4	25	75	100	3	5

UPH3

		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

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

Question Paper Pattern for CIA and ESETheory

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 - 641029

B.Sc., CHEMISTRY

Curriculum and Scheme of Examination under CBCS

(Applicable to the Students Admitted during the Academic Year 2015 - 2016 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	15TML101	Language I@	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	15UCH101	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/ 15UZO1A1	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	15UCH202	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/ 15UZO2A2	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	15UCH303	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	15TML404	Language IV @	6	25	75	100	3	3
	II	15ENG404	English IV	6	25	75	100	3	3
	III	15UCH404	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	15UCH4S2	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	15UCH505	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
		15UCH507	Core Chemistry Paper –VII Organic Chemistry	4	25	75	100	3	4

V		15UCH508	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	15UCH609	Core Chemistry Paper-IX Inorganic Chemistry - 2	4	25	75	100	3	4
		15UCH610	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
		15UCH6E2	Major Elective – 2	3	25	75	100	3	5
		15UCH6E3	Major Elective - 3	3	25	75	100	3	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).

MAJOR ELECTIVE PAPERS

(Three papers are to be chosen from the following five papers.)

1. Polymer Chemistry
2. Nano and Green Chemistry
3. Dye Chemistry
4. Pharmaceutical Chemistry
5. 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.

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 (2015-2016))

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credit
					CIA	ESE	Total		
I	I	15TML101	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	15UBO101	C.P.1- Plant Diversity-I (Algae, Fungi, Bacteria, 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	15TML202	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	15UBO202	C.P.2- Plant Diversity-II (Bryophytes, Pteridophytes, Gymnosperms & Paleobotany)	7	25	75	100	3	4
		15UZO2A2	Allied - 2 Zoology - 2	5	20	55	75	3	4
		15UBO2CL	C.Pr.1 - Plant Diversity – 1 & II	2	40	60	100	3	2
		15UZO2AL	Allied. Pr. Zoology	2	20	30	50	3	2
	IV	15VED201	Value Education - Moral and Ethics**	2	-	50	50	3	2
III	I	15TML303	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	15UBO303	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
		15UBO4CM	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
		15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* / Advanced Tamil**/ Non Major Elective – Human Rights**	2	-	75	75	3	2
IV	I	15TML404	Part-I-Tamil-IV / Hindi-IV / French - IV/ Malayalam – IV / Sanskrit - IV	6	25	75	100	3	3
	II	15ENG404	Part-- II -Lang – English IV	6	25	75	100	3	3
	III	15UBO404	C.P.4- Biostatistics and Biophysics	5	25	75	100	3	4
	III	15UCH4A4	Allied 4 – Chemistry - 2	5	20	55	75	3	4

V		15UBO4CM	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 Tissue culture concept and applications	2	25	75	100	3	3
		15TBT401/ 15TAT402	Basic Tamil*/ Advanced Tamil**/ Non Major Elective – Women Rights**	2	-	75	75	3	2
		15UWR4N2							
	III	15UBO505	C.P. 5 – Fundamentals of Computer and Bioinformatics	4	25	75	100	3	4
		15UBO506	C.P. 6 - Taxonomy of Angiosperms & Economic Botany	5	25	75	100	3	5
		15UBO507	C.P.7 - Cytology, Genetics and Plant Breeding.	4	25	75	100	3	5
		15UBO508	C.P. 8 - Plant Ecology, Phytogeography and Resource Conservation	4	25	75	100	3	5
		15UBO5E1	Elective – I	3	25	75	100	3	5
		15UBO5CN	C.Pr.3 – Fundamentals of Computer and Bioinformatics	4	40	60	100	3	2
		15UBO6CO	C.Pr. 4 - Taxonomy of Angiosperms, Economic Botany, Cytology, Genetics and Plant Breeding, Plant Ecology, Plant Geography and Resource Conservation	4	-	-	-	-	-
VI	IV	15UZO/UBC/ UBT5X1	EDC – Extra Departmental course	2	25	75	100	3	3
		15UBO5IT	Internship Training	Grade****					
	III	15UBO609	C.P.9 - Horticulture	5	25	75	100	3	5
		15UBO610	C.P.10- Biochemistry	5	25	75	100	3	5
		15UBO611	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
		15UBO6CP	C. Pr. 5 – Horticulture, Biochemistry and Plant physiology	4	40	60	100	3	2
		15UBO6E2	Elective- II	5	25	75	100	3	5
		15UBO6Z1	Project***	4	20	80	100	-	5
		15UBO6S4	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.	15UZO5X1	Ornamental Fishery Technology	Zoology
2.	15UBC5X1	Diagnostic Biochemistry	Biochemistry
3.	15UBT5X1	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 2015 - 2016 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	15TML101	Language I@	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	15UZO101	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	15UZO202	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
		15UZO4CM	C.Pr. 2- Physiology and Cell Biology	2	-	-	-	-	-
			Allied Pr. 2. Biochemistry	2	-	-	-	-	-
	IV	15UGA3S1	Skill Based subject I- General Awareness	2	25	75	100	3	3
	IV	15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**- Human rights	2	-	75	75	3	2

APPROVED BY THE ACADEMIC COUNCIL

Date: 11/11/2015 Item No.: X.11....Page No. 4721 To: 4725

HOD OF ZOOLOGY

	II	15ENG404	English -IV	6	25	75	100	3	3
	III	15UZO404	Core 4- Cell Biology	5	25	75	100	3	5
	III	15UBC4A4	Allied 4- Biochemistry	5	20	55	75	3	4
		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	15UZO506	Core 6-Biotechnology-I	5	25	75	100	3	4
	III	15UZO507	Core 7-Ecology	5	25	75	100	3	4
	III	15UZO508	Core 8-Biostatistics and Computer applications	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	15UZO5S3	Skill Based subject -3	2	25	75	100	3	3
		15UZO5IT	Internship						
VI	III	15 UZO609	Core 9 -Microbiology and Immunology	4	25	75	100	3	4
	III	15 UZO610	Core 10 - Biotechnology- II	5	25	75	100	3	4
	III	15 UZO611	Core 11 -Developmental Biology	5	25	75	100	3	4
	III	15 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 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 100marks along 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

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 with Potential for Excellence (UGC), Star College (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 2015-2016)

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@	6	25	75	100	3	3
	II	15ENG101	English –I	6	25	75	100	3	3
	III	15UBC101	C.P.1 Chemistry of Biomolecules	7	25	75	100	3	6
		-	C. Pr. I - Biochemistry	2	-	-	-	-	-
		15UZO1A1	Allied A1- Zoology I	5	20	55	75	3	4
		-	A. Pr. 1 Zoology	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	15UBC202	C.P.2 Bioanalytical Techniques	7	25	75	100	3	6
		15UBC2CL	C.Pr. 1 Biochemistry	2	40	60	100	3	2
		15UZO2A2	Allied A. 2 Zoology II	5	20	55	75	3	4
		15UZO2AL	A. Pr. 1 Zoology	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	15UBC303	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
		-	A.Pr.2 Chemistry	2	-	-	-	-	-
	IV	15UGA3S1	Skill Based Subject 1- General Awareness	2	25	75	100	3	3
		15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* Advanced Tamil** (OR) Non-Major Elective- I**	2	75		75	3	2
	I	15TML404	Language IV@	6	25	75	100	3	3
	II	15ENG404	English –IV	6	25	75	100	3	3
		15UBC404	C. P. 4 Intermediary Metabolism	4	25	75	100	3	4

IV	III	15UBC4CM	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	15UBC4S2	Skill Based Subject 2- Common Human Diseases	2	25	75	100	3	3
		15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil*/ Advanced Tamil** (OR) Non-Major Elective- II**	2	75		75	3	2
V	III	15UBC505	C.P.5 Human Physiology	4	25	75	100	3	4
		15UBC506	C.P.6 Cell Biology	4	25	75	100	3	4
		15UBC507	C.P.7 Clinical Biochemistry	4	25	75	100	3	4
		15UBC508	C.P.8 Molecular Biology	4	25	75	100	3	4
	III	15UBC5E1	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	15UBC5S3	Skill Based Subject 3- Diagnostic Biochemistry	2	25	75	100	3	3
	-	15UBC5IT	Internship Training	Grade ****					
VI	III	15UBC609	C.P.9 Plant Biochemistry and Therapeutics	4	25	75	100	3	4
		15UBC610	C.P.10 Immunology and Immuno Techniques	4	25	75	100	3	4
		15UBC611	C.P.11 Genetic Technology	4	25	75	100	3	4
	III	15UBC6E2	Major Elective II -	4	25	75	100	3	5
		15UBC6Z1	Project ***	4	20	80	100	-	5
	III	15UBC6CN	C.Pr.3. Biochemistry	4	40	60	100	6	3
		15UBC6CO	C.Pr.4. Biochemistry	2	40	60	100	4	2
		15UBC6CP	C.Pr.5. Biochemistry	2	40	60	100	4	2
	IV	15UBC6S4	Skill Based Subject 4- 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**

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 2015-2016 onwards)

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	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	15UBT101	C.P.1 - Cell Biology	6	25	75	100	3	5
		15UCH0A1	Allied - Paper 1: Chemistry - I	5	20	55	75	3	4
		15UBT2CL	C.Pr.1 - Cell Biology and Genetics	3	-	-	-	-	-
		15UCH1AL	Allied Pr.1 - Chemistry Practical	2	-	-	-	-	-
	IV	15EVS101	Environmental Studies*	2	-	50	50	3	2
II	I	15TML202	Language	6	25	75	100	3	3
	II	15ENG202	English II	6	25	75	100	3	3
	III	15UBT202	C.P.2 - Genetics	6	25	75	100	3	5
		15UCH2A2	Allied - Paper 2: Chemistry - II	5	20	55	75	3	4
		15UBT2CL	C.Pr.1- Cell Biology and Genetics	3	40	60	100	4	2
		15UCH2AL	Allied A. Pr. 1 - Chemistry Practical	2	20	30	50	3	2
	IV	15VED201	Value Education Moral and Ethics*	2	-	50	50	3	2
III	I	15TML303	Language	6	25	75	100	3	3
	II	15ENG303	English III	6	25	75	100	3	3
	III	15UBT303	C.P. 3 – Biochemistry	4	25	75	100	3	4
		15UBT304	C.P.4 – Bioinstrumentation and Biophysics	3	25	75	100	3	4
		15UBT3A3	Allied - Paper 3 : Basic Mathematics and Statistics	5	20	55	75	3	4
		15UBT4CM	C.Pr.2-Bioinstrumentation, Biochemistry and Microbiology	2	-	-	-	-	-
	IV	15UBT3S1	Skill Based Subject: 1 General Awareness (on-line)	2	25	75	100	3	3
		15UHR3N1*/15TBT301**/15TAT301*	Non Major Elective – I* Human Rights /Basic Tamil /Advanced Tamil	2	-	75	75	3	2
IV	I	15TML404	Language	6	25	75	100	3	3
	II	15ENG404	English IV	6	25	75	100	3	3
	III	15UBT405	C.P.5 – Microbiology	5	25	75	100	3	4
		15UBT4CM	C.Pr.2-Bioinstrumentation, Biochemistry and Microbiology	3	40	60	100	4	2
		15UBT4A4	Allied -Paper 4 : C - Programming & Numerical methods	5	20	55	75	3	4
		15UBT4AL	Allied C. Pr. 1 – Lab in C-Programming	2	20	30	50	3	2

	IV	15UBT4S2	Skill Based Subject: 2 – Human Anatomy and Physiology (on-line)	2	25	75	100	3	3
		15UWR4N2* 15TBT401** 15TAT402*	Non Major Elective – II* - Women's Rights /Basic Tamil /Advanced Tamil	2	-	75	75	3	2
		15UBT5ST	Summer Training @@						
V	III	15UBT506	C.P.6- Molecular Biology	5	25	75	100	3	4
		15UBT507	C.P.7- Immunology	5	25	75	100	3	4
		15UBT508	C.P.8- Recombinant DNA Technology	5	25	75	100	3	4
		15UBT509	C.P.9 - Animal Biotechnology	4	25	75	100	3	4
		15UBT6CN	C.Pr.3 - Molecular biology, Immunology rDNA Technology and Animal Biotechnology	4	40	60	100	4	3
		15UBT5E1	Major Elective - I	5	25	75	100	3	5
	IV	15UBT5S3	Skill Based Subject: 3 – Health Assessment and Management (on-line)	2	25	75	100	3	3
VI	III	15UBT610	C.P.10 - Bioprocess technology	4	25	75	100	3	3
		15UBT611	C.P.11 - Plant Biotechnology	4	25	75	100	3	3
		15UBT612	C. P. 12–Genomics, Proteomics & Bioinformatics	4	25	75	100	3	3
		15UBT6CO	C.Pr.4-Bioprocess technology, Plant Biotechnology and Bioinformatics	4	40	60	100	4	3
		15UBT6Z1	Project***	2	20	80	100	3	3
		15UBT612	Major Elective - II	5	25	75	100	3	5
		15UBT613	Major Elective - III	5	25	75	100	3	5
	IV	15UBT6SL	Skill Based Subject: 4 - Infectious Diseases and Diagnostics (On-line)	2	25	75	100	3	3
	V	15NSS101/ 15NCC101/ 15PYE101/ 15YRC101#	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 Examinations

Major Elective Papers (3 Papers are to be chosen from the following 4 papers)

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

Non - Major Elective Papers

1. Human Rights
2. Women's Rights

Skill Based Subject (*On-line*)

1. General Awareness
2. Human Anatomy and Physiology
3. Health Assessment and Management
4. Infectious Diseases and Diagnostics

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	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:

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. Herbal Biotechnology
(15UBT0J1)
2. Applied Biotechnology – Biomass, Biofertilizer and Biocontrol agents
(15UBT0J2)

Note: JOC which are offered at present will be applicable for the students admitted during the academic year 2015-2016 and will be considered as extra credit courses.

@@ The result of the summer training will be displayed in the V Semester 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 2015-2016 & Onwards)

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	15TML1A1	Language 1@	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	15UCS101	C.P.1 – COBOL Programming	4	25	75	100	3	4
		15UCS1CL	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	15TML2A2	Language II@	6	25	75	100	3	3
	II	15ENG202	English II	6	25	75	100	3	3
		15UCS202	C.P.2 - C Programming	4	25	75	100	3	4
		15UCS2CM	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	15UCS303	C.P.3 - Computer Organization and Architecture	5	25	75	100	3	4
		15UCS304	C.P.4 – Database Management System	5	25	75	100	3	4
		15UCS305	C.P.5 -Object Oriented Programming with C++	5	25	75	100	3	5
		15UCS3CN	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
		15TBT301 / 15TAT301 / 15UHR3N1	Basic Tamil */ Advanced Tamil **/ Non-Major Elective 1**	2	—	75	75	3	2

IV	III	15UCS406	C.P.6 – Operating Systems	5	25	75	100	3	4
		15UCS407	C.P.7 – Data Structures	5	25	75	100	3	4
		15UCS408	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
		15UCS4A4	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
		15T BT402 / 15T AT402 / 15UWR4N2	Basic Tamil*/ Advanced Tamil** / Non-Major Elective 2**	2	—	75	75	3	2
V		15UCS509	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
		15UCS5E1	Major Elective I	6	25	75	100	3	5
	IV	15UCS5S2	Skill Based Subject 3 – (Web Programming-JAVA SCRIPT, VBSCRIPT, ASP)	2	25	75	100	3	3
VI	III	15UCS612	C.P.12 – Software Project Management	4	25	75	100	3	4
		15UCS613	C.P.13 – Visual Basic .Net	4	25	75	100	3	5
		15UCS6CQ	C.Pr.6 – Visual Basic.Net -Lab	6	40	60	100	3	2
		15UCS614	C.P.14 – Information Security	5	25	75	100	3	5
		15UCS6E2	Major Elective II	5	25	75	100	3	5
		15UCS6Z1	Project Work and Viva-Voce ***	4	20	80	100	3	4
	IV	15UCS6SM	Skill Based Subject 4 – (Web Programming Lab - JAVA SCRIPT, VBSCRIPT, ASP)	2	40	60	100	3	3
Part V	15NCC/NSS/Y RC/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. Multimedia Systems
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 2015-2016] onwards

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	15TML1A1	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	15TML2A2	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	15UCA3S1	Skill based Subject - I Linux Programming	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
		15UCA409	C.P 9: – JAVA Programming	5	25	75	100	3	5
		15UCA4CO	C.Pr .4: – :- JAVA Programming – Lab	5	40	60	100	3	2
		15UCA4A4	Allied 4: -Organizational Behavior and Marketing	6	25	75	100	3	5
	IV	15UCA4SL	Skill based Subject - II Linux Programming Lab	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	15UCA510	C.P 10:– Visual Basic and .NET	6	25	75	100	3	5
		15UCA511	C.P 11: –Cloud Computing	6	25	75	100	3	5
		15UCA512	C.P 12: – Data Mining	5	25	75	100	3	5
		15UCA5E1	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	15UCA5S3	Skill based Subject - III Python Programming	2	25	75	100	3	3
VI		15UCA6E2	Elective Paper II	6	25	75	100	3	5
		15UCA613	C.P. 13: - Internet & Web Designing	6	25	75	100	3	4

	III	15UCA614	C.P.14:- Information Security	6	25	75	100	3	5
		15UCA6CQ	C.Pr. 6: - Web designing Lab	4	40	60	100	3	2
		15UCA6Z1	Project Work & Viva-Voce	6	20	80 *	100	3	4
	IV	15UCA6S4	Skill based Subject - IV Python Programming Lab	2	40	60	100	-	3
Part V		15NCC/NSS/Y RC/PYE101	Extension activity (NSS,NCC,PE,YRC) *	-	50 (CIA only)	-	50	-	1

@Hindi - 12HIN101/202
 @French - 12FRN101/202
 @Malayalam - 13MLM101/202
 @Sanskrit - 12SAN101/202

\$\$NCC – 12NCC101
 NSS – 12NSS101
 Sports – 12PYE101
 YRC – 0YRC101
 PYE- 12P4E101

***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) **Mobile Communication**
- 3) **Software Testing**
- 4) **System Analysis Design**

1. Break Up Marks for CIA of Theory

CIA Exam	-	15
Assignment	-	05
Attendance	-	05
Total		25

2. Components of Practical

Break Up Marks for CIA of Practical

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	05
Total		40

Break Up Marks for ESE of Practical

Experiment	-	50
Record	-	10
Total		60

3. Components for Project

CIA/ESE	Particulars	Project Out of 100 Marks(UG)
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 Allied Elective	2000 400 300	2700	72 20 15
Part IV	Basic Tamil/Adv.Tamil/Non-Elective Major	150	650	4
	Skill Based subject	400		12
	Environmental Studies	50		2
	Value Education	50		2
Part V	Extension Activities	50	50	1
Grand Total Marks / Credits		3800	3800	140

Note:

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End –of- Semester Examination

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

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

**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 2015-2016 & ONWARDS]

Semester	Part	Subject Code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam(Hours)	Credits
					CIA	ESE	Total		
I	I	15TML1A1	Language I @	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	15UCT101	C.P.1 C Programming	5	25	75	100	3	4
		15UCT1CL	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	15TML2A2	Language II @	6	25	75	100	3	3
	II	15ENG202	English II	6	25	75	100	3	3
	III	15UCT202	C.P.2 Digital Fundamentals and Computer Organization	3	25	75	100	3	4
		15UCT203	C.P.3 Object Oriented Programming with C++	4	25	75	100	3	4
		15UCT2CM	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	15UCT304	C.P.4 Operating Systems	5	25	75	100	3	4
		15UCT305	C.P.5 Data Structures and Analysis of Algorithms	5	25	75	100	3	4
		15UCT306	C.P.6 Java Programming	5	25	75	100	3	4
		15UCT3CN	C.Pr.3 Java Programming Lab	5	40	60	100	3	2
		15UCT3A3	Allied 3 - Microprocessors, PC Hardware & Interfacing	6	25	75	100	3	5
	IV	15UCT3S1	Skill Based Subject 1 - Computer Installation & Servicing	2	25	75	100	3	3

		15TBT301 / 15TAT301 / 15UHR3N1	Basic Tamil* / Advanced Tamil** / (or) Non Major Elective I **	2	-	75	75	3	2
IV	III	15UCT407	C.P.7 Relational Database Management Systems	5	25	75	100	3	4
		15UCT408	C.P.8 Visual Basic.NET	4	25	75	100	3	4
		15UCT409	C.P.9 Computer Networks	5	25	75	100	3	4
		15UCT4CO	C.Pr.4 Visual Basic .NET and Oracle Lab	6	40	60	100	3	2
		15UCT4A4	Allied 4 – Business Accounting	6	25	75	100	3	5
	IV	15UCT4SL	Skill Based Subject 2 - Computer Installation & Servicing Lab	2	40	60	100	3	3
		15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil* / Advanced Tamil** / (or) Non Major Elective II**	2	-	75	75	3	2
V	III	15UCT510	C.P.10 Software Engineering and Testing	5	25	75	100	3	5
		15UCT511	C.P.11 Client/Server Techniques	6	25	75	100	3	5
		15UCT512	C.P.12 Data Mining and Warehousing	6	25	75	100	3	5
		15UCT5E1	Elective Paper - I	5	25	75	100	3	5
		15UCT5CP	C.Pr.5 Software Testing Lab	6	40	60	100	3	2
	IV	15UCT5S2	Skill Based Subject 3 - Open Source Technology-Linux	2	25	75	100	3	3
		15UCT5SP	Summer Project	Grade ****					
VI	III	15UCT613	C.P.13 Web Programming	6	25	75	100	3	5
		15UCT614	C.P.14 Information Security	5	25	75	100	3	5
		15UCT6E2	Elective Paper - II	5	25	75	100	3	5
		15UCT6CQ	C.Pr.6 Web Programming Lab	6	40	60	100	3	2
		15UCT6Z1	Project Work & Viva – Voce***	6	20	80	100	3	4
	IV	15UCT6SM	Skill Based Subject 4 - Shell Programming Lab	2	40	60	100	3	3
	V	15NCC/NS S/YRC/PY E101	Extension Activities*	-	50	-	50	-	1

@Tamil/Hindi/French/Malayalam/Sanskrit-
15TML/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. Mobile Computing
2. Network Security
3. Cloud computing
4. System software

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 2015-2016 & ONWARDS]**

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam (hrs)	Credits
					CIA	ESE	Total		
I	I	15TML1A1	Language I@	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	15UIT101	Core I – Computing Fundamentals and 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	15TML2A2	Language II@	6	25	75	100	3	3
	II	15ENG202	Language - English II	6	25	75	100	3	3
	III	15UIT202	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	15VED201	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	15UIT3S1	Skill Based Subject 1 – Multimedia(Photoshop & PageMaker)	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	III	15UIT407	Core VII – Operating Systems	5	25	75	100	3	4
		15UIT408	Core VIII – Visual Programming	5	25	75	100	3	5
		15UIT409	Core IX – Principles of Data Communications and Network	5	25	75	100	3	4
		15UIT4CO	Core Practical IV – Programming Lab – VB & VB.Net	5	40	60	100	3	2
		15UIT4A4	Allied IV –Microprocessors, PC Hardware and Interfacing	6	25	75	100	3	5
	IV	15UIT4SL	Skill Based Subject 2 (Practical) Multimedia Lab(Photoshop & PageMaker)	2	40	60	100	3	3
		15TBT402/ 15TAT402/ 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
		15UIT5E1	Major Elective I	5	25	75	100	3	5
	IV	15UIT5S2	Skill Based Subject 3- Linux Programming	2	25	75	100	3	3
VI	III	15UIT613	Core XIII – Open Source Tools	6	25	75	100	3	5
		15UIT614	Core XIV - Information Security	6	25	75	100	3	4
		15UIT6CQ	Core Practical VI – Programming Lab Using Scripting Languages and My SQL	5	40	60	100	3	2
		15UIT6E2	Major Elective II	5	25	75	100	3	5
		15UIT6Z1	Project***	6	20	80	100	3	4
	IV	15UIT6SM	Skill Based Subject 4 (Practical) Linux Programming Lab	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. Artificial Intelligence.
3. Object Oriented Analysis And Design(using UML)

Elective II

1. E-Commerce
2. Network Security & Administration
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 2015-2016 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	15TML1A1	Language I@	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	15UCM101	Core 1 - Fundamentals of Financial Accounting	6	25	75	100	3	5
	III	15UCM102	Core 2 - Business Organisation	4	25	75	100	3	3
	III	15UCM1A1	Allied 1– Economic Analysis	6	25	75	100	3	5
	IV	15EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	15TML2A2	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	15UCM204	Core 4 - Banking Theory Law and Practice	4	25	75	100	3	3
	III	15UCM2A2	Allied 2- International Trade	6	25	75	100	3	5
	IV	15VED201	Value Education- Moral and Ethics **	2	-	50	50	3	2
III	III	15UCM305	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	15UCM308	Core 8 - Marketing	4	25	75	100	3	3
	III	15UCM3A3	Allied 3- Business Mathematics	6	25	75	100	3	5
	IV	15UCM3S1	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
IV	III	15UCM409	Core 9 - Corporate Accounting	6	25	75	100	3	5
	III	15UCM410	Core 10 -Company Law	5	25	75	100	3	3
	III	15UCM411	Core 11 - Financial Management	5	25	75	100	3	3
	III	15UCM412	Core 12 - Business Communication	4	25	75	100	3	3
	III	15UCM4A4	Allied 4- Business Statistics	6	25	75	100	3	5
	IV	15UCM4S2	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	15UCM514	Core 14 - Cost Accounting	6	25	75	100	3	5
	III	15UCM515	Core 15 - Direct Tax	6	25	75	100	3	5
	III	15UCL516	Core 16 – Practical -Practice Workshop*****	5	40	60	100	3	3
	III	15UCM5E1	Major Elective 1 -	5	25	75	100	3	3
	IV	15UCM5S3	Skill Based subject 3- Computer Applications (Tally & Internet)-Practical – III	2	40	60	100	3	3
	-	15UCM5IT	Internship Training	Grade****					
VI	III	15UCM617	Core 17 -Management Accounting	5	25	75	100	3	4
	III	15UCM618	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	15UCM6E2	Major Elective 2 -	4	25	75	100	3	5
	III	15UCM6Z1	Project ***	6	20	80	100	-	5
	IV	15UCM6S4	Skill Based subject 4- Computer Applications (Tally & Internet)-Practical – IV	2	40	60	100	3	3
	V	15NCC/NSS/YRC/PYE101	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 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)

***** Practice Workshop

Internals:

Assignment /observation Note:	10
Attendance	5
Model Practical Exam	<u>25</u>
	<u>40</u>

External:

ESE Practical	45
Viva-voce	<u>15</u>
	<u>60</u>

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

1. Brand Management
2. Business Research Methods
3. Financial Services
4. Human Resource Management
5. Working Capital Management
6. Business Environment

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

Tally Table:

S.No.	Part	Subject	Marks	Credits
1.	I	Language – Tamil/Hindi/Malayalam/ French/ Sanskrit	200	6
2.	II	English	200	6
3.	III	Core – Theory/Practical/Project	2100	77
		Allied (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 2015-16)

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 4 = 20 Marks

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

SECTION – C

3 x 15 = 45 Marks

Answer **any three** out of five questions – Open choice (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 2015 – 2016)

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

Internals : 40 Marks
Externals : 60 Marks

Internals (40 Marks)

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:60 Marks

1. Record	: 10 Marks
2. End Semester Practical (2 out of 3 program)	: <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 2015-2016 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	15TML1A1@	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	15UCC101	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	15UCC203	C.P. 3 - Financial Accounting	4	25	75	100	3	4
		15UCC204	C.P.4 - Indian Banking system	4	25	75	100	3	4
		15UCC2A2	ALLIED. B 1 - Business Statistics	6	25	75	100	3	5
		15UCC2CL	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	15UCC305	C.P.5 - Cost Accounting	5	25	75	100	3	4
		15UCC306	C.P. 6 - Applied Taxation- I	5	25	75	100	3	4
		15UCC307	C.P. 7- Marketing	4	25	75	100	3	3
		15UCC308	C.P. 8 - Database Management Systems	4	25	75	100	3	3
		15UCC3A3	ALLIED.C 1 - Executive Business Communication	4	25	75	100	3	5
		15UCC3CM	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	15UCC409	C.P. 9- Corporate Accounting	6	25	75	100	3	4
		15UCC410	C.P. 10- Applied Taxation- II	6	25	75	100	3	4
		15UCC411	C.P. 11-Object Oriented Programming with C++	5	25	75	100	3	4
		15UCC4A4	ALLIED.D 1 - Mercantile Law	5	25	75	100	3	5
		15UCC4CM	C.Pr.4 -Computer Applications IV - C++ Programming	4	20	30	50	3	1
	IV	15UCC4S2	Skill based subject 2 - Retail Business Management	2	25	75	100	3	3
		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
		15UCC513	C.P.13- Management Accounting	5	25	75	100	3	4
		15UCC514	C.P.14- Financial Management	6	25	75	100	3	4
V	III	15UCC515	C.P.15- Programming in Visual Basic	4	25	75	100	3	4
		15UCC5E1	Elective Paper -I	5	25	75	100	3	5
		15UCC5CN	C.Pr.5 - Computer Applications V - Visual Basic	4	20	30	50	3	1
	IV	15UCC5S3	Skilled based subject 3 - Human Resource Management	2	25	75	100	3	3
		15UCC5IT	Institutional Training		GRADE****				-
	VI	15UCC616	C.P.16-Investment Management	6	25	75	100	3	4
		15UCC617	C.P.17- Internet and Web Designing	6	25	75	100	3	5
		15UCC6E2	Elective paper - II	6	25	75	100	3	5
		15UCC6CN	C.Pr.6 - Computer Applications VI - HTML & Internet	4	20	30	50	3	1
		15UCC6Z1	Project Work & Viva-voce***	6	20	80	100	-	4
		15UCC6S4	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.	Business Research Methods
3.	Management Information System
4.	Industrial Law

st of Non-Major Electives:

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

ote: 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.

ally 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	40
	Total Internal Marks	20	
*ESE	Project Report Present	60	40
	Viva Voce	20	20
	Total External Marks	80	
Total Marks (CIA + ESE)		100	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 ($10 \times 1 = 10$ Marks)

Section B - Either or type ($5 \times 5 = 25$ Marks)

Section C - Either or type ($5 \times 8 = 40$ 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 2015-2016 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	15TML1A1	Language I@	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	15UPA101	C.P.1 – Principles of Accountancy	4	25	75	100	3	4
	III	15UPA102	C.P. 2 – Introduction to Information Technology	4	25	75	100	3	4
	III	15 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	15TML2A2	Language II@	6	25	75	100	3	3
	II	15ENG202	English –II	6	25	75	100	3	3
	III	15UPA2CL	C.Pr.1 - Computer Applications Practical I	4	40	60	100	3	3
	III	15UPA203	C.P.3 – Mercantile Law	6	25	75	100	3	5
	III	15UPA2A2	Allied 2- Statistics for Business	6	25	75	100	3	5
	IV	15VED201	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	16UPA305	C.P.5 – Cyber Law	5	25	75	100	3	3
	III	16UPA306	C.P.6 – Business Communication	5	25	75	100	3	3
	III	16UPA307	C.P.7 – Industrial Law	4	25	75	100	3	3
	III	16UPA3A3	Allied 3- Business Economics	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	16UPA408	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	16UPA4A4	Allied 4- Business Environment	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	16UPA512	C.P.12 - Corporate Accounting	6	25	75	100	3	4
	III	16UPA513	C.P.13 - Financial Management	6	25	75	100	3	4
	III	16UPA514	C.P.14 - Direct Tax	6	25	75	100	3	5
	III	16UPA515	C.P.15 – Principles of Marketing	5	25	75	100	3	3
	III	16UPA5E1	Major Elective 1 -	5	25	75	100	3	5
	IV	16 UPA5S3	Skill Based subject 3- Entrepreneurship Development	2	25	75	100	3	3
VI	III	16UPA616	C.P.16– Management Accounting	5	25	75	100	3	4
	III	16UPA617	C.P.17 – Principles of Auditing	5	25	75	100	3	3
	III	16UPA618	C.P.18 – Indirect Tax	4	25	75	100	3	3
	III	16UPA619	C.P.19 – Banking Theory, Law & Practice	4	25	75	100	3	3
	III	16UPA6E2	Major Elective 2 –	4	25	75	100	3	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	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 2015-16)

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
2015-2016 onwards.

Semester	Part	Subject code	Title of the Paper	Instruction Hours/Cycle	Exam. Marks			Durations of Exam (Hours)\$	Credit
					CIA	ESE	Total		
I	I	15TML1A1	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	15UBA101	C.P.1 Principles of Management and Organizational Behavior	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	15TML2A2	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
		15 UBA 204	C.P.4 -PC Software	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- Model and Ethics**	2	-	50	50	3.00	2

III	III	15UBA305	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
		15UBA307	C.P.7 -Financial Management	5	25	75	100	3.00	3
		15UBA3CM	C.Pr.2 - Programming Laboratory (Tally ERP 9)	6	40	60	100	3.00	6
		15UBA3A3	Allied B1 -Principles of Insurance	5	25	75	100	3.00	5
	IV	15UBA3S1	Skill Based Subject 1 - Business communication	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	15UBA 408	C.P.8 -Human Resource Management	6	25	75	100	3.00	4
		15UBA409	C.P.9 -Global Business Management	6	25	75	100	3.00	4
		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	15UBA511	C.P.11 -Research Methods for Management	6	25	75	100	3.00	4
		15UBA512	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	15UBA5S3	Skill Based Subject 3 - Indirect Taxation	2	25	75	100	3.00	3
VI	III	15UBA 614	C.P.14 – Industrial Law	6	25	75	100	3.00	4
		15UBA615	C.P.15 - VISUAL BASIC	5	25	75	100	3.00	4
		15UBA6CP	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
		15UBA6S4	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 strategy and management.
3. Applied marketing management.
4. Investment and portfolio management.
5. Retail Marketing 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]Re-Accredited by NAAC with 'A' Grade Status (CGPA - 3.64 3rd cycle)

College with Potential for Excellence (UGC), Star College (DBT)

COIMBATORE - 641 029**B.SC COSTUME DESIGN AND FASHION**

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO THE STUDENTS ADMITTED DURING THE**ACADEMIC YEAR 2015-2016 & ONWARDS]**

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam.marks			Duration of Exam. (hours)	Credits
					CIA	ESE	Total		
I	I	15TML1A1	Lan-Tamil I @	6	25	75	100	3	3
	II	15ENG101	Lan - English I	6	25	75	100	3	3
	III	15UCD101	C.P.1 – Pattern making	5	25	75	100	3	4
		15UCD1CL	C.Pr.1– Basics of Apparel Designing	6	40	60	100	4	3
		15UCD1AL	Allied.Pr.1 Fashion Sketching	5	40	60	100	3	5
	IV	15EVS101	VBC.1 –Environmental studies**	2	-	50	50	3	2
II	I	15TML2A2	Lan-Tamil II @	6	25	75	100	3	3
	II	15ENG202	Lan - English II	6	25	75	100	3	3
	III	15UCD202	C.P.2 – Fiber To Yarn	3	25	75	100	3	3
		15UCD203	C.P.3- Fashion Designing and Fashion Psychology	3	25	75	100	3	4
		15UCD2CM	C.Pr.2 – Apparel Designing- Kids Wear	5	40	60	100	4	3
		15UCD2AM	Allied. Pr.2. Surface Ornamentation	5	40	60	100	3	5
		15VED201	Value Education – Moral & ethics**	2	-	50	50	3	2

III	III	15UCD31T	£ 2 weeks Internship Training in garment unit	Grade					
		15UCD304	C.P.4– Weaving	5	25	75	100	3	4
		15UCD305	C.P.5 – Garment Production machineries	4	25	75	100	3	4
		15UCD3CN	C Pr.3 –Apparel Designing- Women’s Wear	6	40	60	100	4	3
		15UCD3CO	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	III	15UCD406	C.P.6 - Knitting	4	25	75	100	3	4
		15UCD407	C.P. 7- Textile Processing	5	25	75	100	3	4
		15UCD4CP	C Pr. 5 -Textile Processing	5	40	60	100	3	3
		15UCD4CQ	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 practicals	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	£ 2 weeks internship training in garment unit	Grade					

		15UCD508	C.P.8- Non Woven & Technical Textiles	6	25	75	100	3	4
		15UCD509	C.P.9 – Apparel Marketing & Merchandising	5	25	75	100	3	4
		15UCD5CR	C.Pr. 7. Accessories and Jewellery Making	6	40	60	100	4	4
		15UCD5CS	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 practicals	2	40	60	100	3	3
VI	III	15UCD610	C.P.10. Organization of Garment Unit	6	25	75	100	3	4
		15UCD6CT	C.Pr.9. Computer Aided Design – II	6	40	60	100	4	3
		15UCD6Z1	Project & Viva Voice	6	20	80	100	-	5
		15UCD6CU	C.Pr.10 Home furnishing	5	40	60	100	3	4
		15UCD6E2	Major Elective II	5	25	75	100	3	5
	IV	15UCD6S2	Skill Based subject 2 – Quality Inspection and Standards	2	25	75	100	3	3
	V	15NCC/ NSS/YRC/PY E101	Extension Activities*	-	50	-	50	-	1
			Total	180			3800		140

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

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

** No Continuous Internal Assesment (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. Visual Merchandising and Display
2. Global Fashion Market
3. Fabric Care
4. Fashion History
5. Historic Costumes of India

Non-major elective papers

1. Human Rights
2. Womens Rights

Part-wise total marks:

S.No	Part		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 is compulsory 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
- **Diploma Courses** offered by the department
 1. Fashion Design
 2. Garment Merchandising
 3. Garment Manufacturing Technology

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

(Applicable to students admitted from the academic year 2015-2016 onwards)

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

APPROVED BY THE ACADEMIC COUNCIL

Date: 11/4/2015 Item No: 41 Page No. 2 of 3 To: 2.1.139

Diwakar Thomas
 Dr. DIWAKAR THOMAS
 M.A., M.Phil., M.A., M.Ed., M.A., Ph.D.
 Associate Professor & Head
 Department of English
 Kongunadu Arts & Science College

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

Advanced Learners Course (ALC) under Self Study Scheme (Optional)

Sem-II	15PELOD1	ALC 1	The Art of Public Speaking	-	-	100	100	3	2
Sem-III	15PELOD2	ALC 2	Personality Development	-	-	100	100	3	2
Sem- IV	15PELOD3	ALC 3	Women's Studies	-	-	100	100	3	2

Job Oriented Course (JOC) Semester - I

English for Competitive Examinations

Career Oriented 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. Oral and Written Communication Skills
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

Question Paper Pattern

(Applicable to students admitted from the academic year 2015-2016 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=10marks)

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=15marks)

Questions 11 – 15 (5X3=15)

Short Notes in about **150 words** 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** of either/or type, should be taken from all five units.

Question Paper Pattern (ALC,COP & JOC)

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

Section A Multiple Choice Questions (10X10=10 Marks)

Section B – Either or Type (5X6=30 Marks)

Section C- Either or Type (5X12=60 Marks)

COMPUTER PAPERS

Question Paper Pattern for Core Papers 15PEL209, 15PEL314

(Applicable to students admitted from the academic year 2015-2016 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)

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 2015–2016 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
	15PPH103	C.P 3- Modern Optics	5	25	75	100	3	5
	15PPH1N1	IN1 – Non –Major Elective I : Digital 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	4	25	75	100	3	4
	15PPH205	C.P 5- Thermodynamics and statistical Mechanics	4	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
	15PPH2N2	2N2 – Non –Major Elective II: Energy Physics / Industrial Physics	4	25	75	100	3	5
	15PPH2CL	C.Pr 1 - General Experiments	5	40	60	100	4	3
	15PPH2CM	C.Pr 2 - Electronics Experiments	5	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
	15PPH3E1	Major Elective I: Nano Science / 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
	15PPH4N2	Major Elective II: Problems in Physics / Biomedical Instrumentation	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. **Nanoscience**
2. Atmospheric Science
3. **Problems in Physics**
4. Biomedical Instrumentation

Non - Major Elective papers

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

1. **Digital 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 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 2015 – 2016 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	15PCH101	C.P.-1- Organic Chemistry - I	5	25	75	100	3	5
	15PCH102	C.P. 2 - Inorganic Chemistry - I	5	25	75	100	3	5
	15PCH1E1	ME-1 Major Elective - I	5	25	75	100	3	5
		C.Pr.1 - Organic Chemistry Practical - I	5	-	-	-	-	-
		C.Pr.2 - Inorganic Chemistry Practical-I	5	-	-	-	-	-
		C.Pr.3 - Physical Chemistry Practical-I	5	-	-	-	-	-
II	15PCH203	C.P. 4 - Physical Chemistry - I	5	25	75	100	3	5
	15PCH204	C.P. 3 - Organic Chemistry - II	5	25	75	100	3	4
	15PCH205	C.P. 5 - Inorganic Chemistry - II	5	25	75	100	3	4
	15PCH2N1	NME-1 Non-Major Elective - I	5	25	75	100	3	5
	15PCH2CL	C.Pr.1 - Organic Chemistry Practical - I	3	40	60	100	6	3
	15PCH2CM	C.Pr.2 - Inorganic Chemistry Practical-I	3	40	60	100	6	3
	15PCH2CN	C.Pr.3 - Physical Chemistry Practical-I	4	40	60	100	6	3
III	15PCH306	C.P. 6 - Physical Chemistry - II	5	25	75	100	3	5
	15PCH307	C.P. 7 - Spectroscopy	5	25	75	100	3	5
	15PCH308	C.P.8 - Organic Chemistry - III	5	25	75	100	3	5
	15PCH309	C.P.9- Inorganic Chemistry-III	5	25	75	100	3	5
	15PCH3CO	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	15PCH410	C.P.10 - Physical Chemistry - III	4	25	75	100	3	4
	15PCH4E2	ME-2 - Major Elective - II	5	25	75	100	3	5
	15PCH4N2	NME- 2 - Non-Major Elective - II	5	25	75	100	3	5
	15PCH4CP	C.Pr.5 - Organic Chemistry Practical - II	5	40	60	100	6	3
	15PCH4CQ	C.Pr.6 - Inorganic Chemistry Practical-II	5	40	60	100	6	3
	15PCH4Z1	Project Work & Viva -Voce	6	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 Products

Abstract

S.No	Particulars of the Courses	No of courses	Marks	Credits	Total	
					Marks	Credits
01	Core				1800	70
	i. Theory	10	1000	46		
	ii. Practicals	06	600	18		
	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		
	15PCH0J1	JOC - Pharmaceutical Chemistry	6	-	100	100	3	2
ADVANCED LEARNER COURSES (UNDER SELF STUDY SCHEME)								
	15PCH0D1	ALC- 1 Chemistry of Corrosion and its Prevention	-	-	100	100	3	2
	15PCH0D2	ALC- 2 Medicinal Chemistry	-	-	100	100	3	2
	15PCH0D3	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 (2015-2016))**

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
I	15PB0101	C.P.1 - Plant diversity -I	6	25	75	100	3	4
	15PBO102	C.P.2 - Plant diversity – II	6	25	75	100	3	4
	15PBO103	C.P.3 - Developmental Biology	6	25	75	100	3	4
	15PBO1E1	Major Elective 1	6	25	75	100	3	5
		C.Pr.1 - Plant Diversity - I, II. & Developmental biology	6					
II	15PBO204	C.P.4- Bioinformatics	6	25	75	100	3	5
	15PBO205	C.P.5 - Cytology, Genetics, Plant Breeding and Biostatistics.	6	25	75	100	3	4
	15PBO206	C.P.6 - Ecology, Bioenergetics and Natural Resource Management.	6	25	75	100	3	4
	15PBO2E2	Major Elective 2	6	25	75	100	3	5
	15PBO2CL	C.Pr.1- Plant diversity-I , 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	15PBO307	C.P.7 - Taxonomy and Biosystematics	7	25	75	100	3	4
	15PBO308	C.P.8 - Biotechnology & Nanobiology	7	25	75	100	3	4
	15PBO309	C.P.9 – Pharmacognosy.	6	25	75	100	3	4
	15PBO3N1	Non major Elective 1	6	25	75	100	3	5
	15PBO3CO	C.Pr.4 – Taxonomy and Biosystematics, Biotechnology and Nanobiology.	4	40	60	100	4	4
IV	15PBO410	C.P.10 –Biochemistry & Biophysics	7	25	75	100	3	4
	15PBO411	C.P.11 –Plant Physiology	7	25	75	100	3	4
	15PBO4N2	Non major Elective 2	6	25	75	100	3	5
	15PBO4CP	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. Horticulture
2. Limnology
3. Medicinal Plants
4. Industrial Microbiology

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	15PBO0J1	JOC - Floriculture and Landscaping	4	-	100	100	3	2
	15PBO0J2	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.



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 2015 - 2016 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
	15PBT102	C.P.2 – Biostatistics and Bioinstrumentation	5	25	75	100	3	5
	15PBT103	C.P.3 - Molecular Biology and Molecular Genetics	5	25	75	100	3	5
	15PBT104	C.P.4 – Microbiology	5	25	75	100	3	5
	15PBT1CL	C.Pr.1- Lab in Biochemistry and Bioinstrumentation	5	40	60	100	6	3
	15PBT1CM	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
	15PBT2CN	C.Pr.3 - Lab in Immunotechnology and Animal Biotechnology	5	40	60	100	6	3
	15PBT2CO	C.Pr.4- Lab in Molecular Biology, Genetic Engineering and Environmental Biotechnology	5	40	60	100	6	3
III	15PBT309	C.P.9 - Bioprocess Technology	5	25	75	100	3	4
	15PBT310	C.P.10 - Plant Biotechnology	5	25	75	100	3	4
	15PBT311	C.P.11 – Genomics, Proteomics & Systems Biology	5	25	75	100	3	4
	15PBT3CP	C.Pr.5-Lab in Bioprocess Technology and Plant Biotechnology	5	40	60	100	6	3
	15PBT3E1	Major Elective I	5	25	75	100	3	5
	15PBT3N1	Non-Major Elective I – (On-line)	5	25	75	100	3	5
IV	15PBT4N2	Non-Major Elective II - (On-line)	5	25	75	100	3	5
	15PBT4Z1	Project Work *	20	40	160*	200	3	5
	15PBT4E2	Major Elective II	5	25	75	100	3	5
Total			120			2200		90

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

1. Pharmaceutical Biotechnology
2. Nanobiotechnology and Computational Biology
3. Entrepreneurship, Bioethics, Biosafety and Research Methodology
4. Medical Biotechnology and Marine biotechnology

Non-Major Elective Papers (2 papers are to be chosen from the following 4 papers)(On-line)

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

Tally Table:

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

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

Subject Code	Title of the Paper	Exam Marks		Duration of Exam (hours)	Credits
		ESE	Total		
15PBT D1	ALC.1- Frontier Technologies in Biosciences	100	100	3	2
15PBT D2	ALC.2- Stem Cell Technology	100	100	3	2

- CBCS – Choice Based Credit System
- CIA-Continuous Internal Assessment
- ESE- End -of - Semester Examination
- C.P. - Core Paper; C. Pr. – Core Practical
- 25 % CIA is applicable to all theory subjects. Proportion of CIA and ESE for practical is 40 : 60.
- JOCs are optional for earning extra credits and are conducted 4 hours / cycle after college hours.

Job Oriented Courses (JOC):

1. JOC 1 - Mushroom Technology (15PBT0J1)
2. JOC 2 – Herbal Biotechnology (15PBT0J2)

Note: JOC and ALC which are offered at present will be applicable for the students admitted during the academic year 2014-2015 and will be considered as extra credit courses.

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 **2015-2016** AND ONWARDS]

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

IV	15PCS412	C.P.12 Data Mining and Warehousing	5	25	75	100	3	4
	15PCS4E3	Elective Paper - III	5	25	75	100	3	4
	15PCS4CR	C.Pr.7 Multimedia Lab	5	30	45	75	3	3
	15PCS4Z2	Project and Viva-Voce	15	80	120**	200	3	6
TOTAL			2300				90	

*Project Record – 30 and Viva-Voce – 15

**Project Record – 80 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. Extreme Programming
4. Network Security And Cryptography
5. Natural Language Processing
6. Advanced Computing
7. Agent Based Computing
8. Enterprise Web Services
9. Artificial Intelligence and Expert Systems .
10. Parallel Processing
11. System software

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		
15PCS0D1	ALC.1 Programming in C#	-	-	100	100	3	4
15PCS0D2	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 2015-2016 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
	15PCM102	C.P.2 Marketing Research	5	25	75	100	3	4
	15PCM103	C.P.3. Human Resource Management	5	25	75	100	3	4
	15PCM104	C.P.4. Organizational Behaviour	5	25	75	100	3	4
	15PCM105	C.P.5. Global Business Environment	5	25	75	100	3	4
	15PCM1N1	Non-Major Elective I	5	25	75	100	3	5
II	15PCM206	C.P.6. Advanced Accounting	6	25	75	100	3	4
	15PCM207	C.P.7.Security Analysis and Portfolio Management	6	25	75	100	3	4
	15PCM208	C.P.8 Management of Small Enterprises	6	25	75	100	3	4
	15PCM209	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
	15PCM311	C.P.11 Applied Taxation – I	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
	15PCM415	C.P.15 Applied Taxation - II	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
	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	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)

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

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2015-2016 & ONWARDS]

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam(hours)	Credits
					CIA	ESE	Total		
I	I	15PCT101	C.P.1 Data Structures and Algorithms	4	25	75	100	3	4
		15PCT102	C.P.2 Advanced Computer Organization and Architecture	4	25	75	100	3	5
		15PCT103	C.P.3 Advanced Java	4	25	75	100	3	4
		15PCT104	C.P.4 Relational Database Management system	4	25	75	100	3	5
		15PCT105	C.P.5 Advanced Operating Systems	4	25	75	100	3	5
		15PCT1CL	C.Pr.1 Advanced Java Programming Lab	5	40	60	100	3	2
		15PCT1CM	C.Pr.2 Relational Database Management system Lab	5	40	60	100	3	2
II	I	15PCT206	C.P.6 Multimedia	4	25	75	100	3	4
		15PCT207	C.P.7 Data communication & Networking	4	25	75	100	3	5
		15PCT208	C.P.8 .Net Technologies	4	25	75	100	3	4
		15PCT209	C.P.9 Data Mining and Warehousing	4	25	75	100	3	5
		15PCT210	C.P.10 Software Project Management	4	25	75	100	3	5
		15PCT2CN	C.Pr.3 Multimedia Lab	5	20	30	50	3	2
		15PCT2CO	C.Pr.4 .Net Technologies Lab	5	40	60	100	3	2
III	I	15PCT311	C.P.11 Software Testing	4	25	75	100	3	5
		15PCT312	C.P.12 Web Designing	4	25	75	100	3	5
		15PCT313	C.P.13 Mobile Computing	4	25	75	100	3	4
		15PCT3E1	Elective Paper - I	4	25	75	100	3	5
		15PCT3E2	Elective Paper - II	4	25	75	100	3	5
		15PCT3CP	C.Pr.5 Software Testing Lab	5	20	30	50	3	2
		15PCT3CQ	C.Pr.6 Web Designing Lab	5	40	60	100	3	2
		15PCT3SP	Summer Project	Grade **					
IV	I	15PCT4Z1	Project and Viva-Voce	30	40	160*	200	3	8

Major Elective Papers:**(Two Elective papers** are to be chosen from the following four papers)

1. Information Security
2. Artificial Intelligence and Fuzzy Logic System
3. Cloud Computing
4. Advanced Digital Image Processing

Tally Table:

Part	Subject	No.of Subjects	Total Marks	Credits
I	Core-Theory/Practical/Project	20	2000	80
	Major Elective Paper	2	200	10
	Grand Total	22	2200	90

Note:

CBCS-Choice Based Credit System

CIA- Continuous Internal Assessment

ESE – End of Semester Examinations

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

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		
15PCT0D1	ALC.1 Programming in C#	-	-	100	100	3	2
15PCT0D2	ALC.2 J2EE	-	-	100	100	3	2

****** The Students should do the summer project at the end of the second semester during summer vacation and submit the report in the third semester. The Project report will be evaluated for 100 marks along with the internal viva-voce by the respective project guide. According their marks, the grade will be awarded as given below.

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

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 Note Book	- 10
Attendance	- 5
	<hr/>
Total	40
	<hr/>

Break up Marks for ESE of Practical

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

* Project Report – 120 Marks; Viva voce – 40 Marks

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

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2015-2016 & ONWARDS]

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam(hours)	Credits
					CIA	ESE	Total		
I	I	15PCT101	C.P.1 Data Structures and Algorithms	4	25	75	100	3	4
		15PCT102	C.P.2 Advanced Computer Organization and Architecture	4	25	75	100	3	5
		15PCT103	C.P.3 Advanced Java	4	25	75	100	3	4
		15PCT104	C.P.4 Relational Database Management system	4	25	75	100	3	5
		15PCT105	C.P.5 Advanced Operating Systems	4	25	75	100	3	5
		15PCT1CL	C.Pr.1 Advanced Java Programming Lab	5	40	60	100	3	2
		15PCT1CM	C.Pr.2 Relational Database Management system Lab	5	40	60	100	3	2
II	I	15PCT206	C.P.6 Multimedia	4	25	75	100	3	4
		15PCT207	C.P.7 Data communication & Networking	4	25	75	100	3	5
		15PCT208	C.P.8 .Net Technologies	4	25	75	100	3	4
		15PCT209	C.P.9 Data Mining and Warehousing	4	25	75	100	3	5
		15PCT210	C.P.10 Software Project Management	4	25	75	100	3	5
		15PCT2CN	C.Pr.3 Multimedia Lab	5	20	30	50	3	2
		15PCT2CO	C.Pr.4 .Net Technologies Lab	5	40	60	100	3	2
III	I	15PCT311	C.P.11 Software Testing	4	25	75	100	3	5
		15PCT312	C.P.12 Web Designing	4	25	75	100	3	5
		15PCT313	C.P.13 Mobile Computing	4	25	75	100	3	4
		15PCT3E1	Elective Paper - I	4	25	75	100	3	5
		15PCT3E2	Elective Paper - II	4	25	75	100	3	5
		15PCT3CP	C.Pr.5 Software Testing Lab	5	20	30	50	3	2
		15PCT3CQ	C.Pr.6 Web Designing Lab	5	40	60	100	3	2
		15PCT3SP	Summer Project	Grade **					
IV	I	15PCT4Z1	Project and Viva-Voce	30	40	160*	200	3	8

M.Sc Computer Technology 2015-2016 onwards

PCT 2

Major Elective Papers:

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

1. Information Security
2. Artificial Intelligence and Fuzzy Logic System
3. Cloud Computing
4. Advanced Digital Image Processing

Tally Table:

Part	Subject	No.of Subjects	Total Marks	Credits
I	Core-Theory/Practical/Project	20	2000	80
	Major Elective Paper	2	200	10
	Grand Total	22	2200	90

Note:

CBCS-Choice Based Credit System

CIA- Continuous Internal Assessment

ESE – End of Semester Examinations

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

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		
15PCT0D1	ALC.1 Programming in C#	-	-	100	100	3	2
15PCT0D2	ALC.2 J2EE	-	-	100	100	3	2

PCT 3

** The Students should do the summer project at the end of the second semester during summer vacation and submit the report in the third semester. The Project report will be evaluated for 100 marks along with the internal viva-voce by the respective project guide. According their marks, the grade will be awarded as given below.

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

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 Note Book	- 10
Attendance	- 5
<hr/>	
Total	40
<hr/>	

Break up Marks for ESE of Practical

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

* Project Report – 120 Marks; Viva voce – 40 Marks