

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

COIMBATORE – 641 029



Prospectus with number of Courses in all Programs for the Academic Year 2014-2015

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(2014 – 2015)

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

Course Name : B.A.English Literature

Curriculum and Scheme of Examination under CBCS

(Applicable to students Admitted from the Academic Year 2014-2015 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	13TML101@	Language I/ Tamil/ Malayalam/Hindi/ French	6	25	75	100	3	3
	II	14ENG101	English I	6	25	75	100	3	3
	III	14UEL101	Core I-Prose	6	25	75	100	3	4
		14UEL102	Core II-Fiction	5	25	75	100	3	4
		14UEL1A1	Allied I: Social History of England	5	25	75	100	3	5
	IV	12EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	13TML202@	Language II Tamil/ Malayalam/Hindi/ French	6	25	75	100	3	3
	II	14ENG202	English II	6	25	75	100	3	3
	III	14UEL203	Core I II- Grammar and Usage	6	25	75	100	3	4
		14UEL204	Core I V-Drama	5	25	75	100	3	4
		14UEL2A2	Allied II: Literary Forms	5	25	75	100	3	5
	IV	14VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
III	I	13TML303@	Language III Tamil/ Malayalam/Hindi/French	6	25	75	100	3	3
	II	14ENG303	English III	6	25	75	100	3	3
	III	14UEL305	Core V- Poetry I	4	25	75	100	3	4
		14UEL306	Core VI- Introduction to Phonetics	5	25	75	100	3	4
		14UEL3A3	Allied III: History of English Literature	5	25	75	100	3	5
	IV	14UEL3S1	Skill Based Subject: I General Awareness	2	25	75	100	3	3
		13UEL3N1/ 13TBT301/ 13TAT301	Basic Tamil*/ Advanced Tamil** (OR) Non-Major Elective-I**	2	-	75	75	3	3

[Type text]

Sem	Part	Subject code	Title of the Paper	Instruction hours	Marks			Hrs of Exam	Credit
					CIA	ESE	Total		
IV	I	13TML404@	Language IV Tamil/ Malayalam/Hindi/ French	6	25	75	100	3	3
	II	14ENG404	English IV	6	25	75	100	3	3
	III	14UEL407	Core VII-Poetry II	5	25	75	100	3	4
		14UEL408	Core VIII-Indian Writing in English	4	25	75	100	3	4
		12UEL4A4	Allied IV: Applied English	5	25	75	100	3	5
	IV	14UEL4S2	Skill Based Subject: II Personality Development	2	25	75	100	3	3
		13UEL4N2/ 13TBT402/ 13TAT402	Basic Tamil*Advanced Tamil**(OR) Non-Major Elective-II**	2	-	75	75	3	2
V	I	14UEL509	Core IX-Shakespeare I	5	25	75	100	3	4
	II	14UEL510	Core X- American Literature	6	25	75	100	3	4
	III	12UEL511	Core XI-Literary Criticism	6	25	75	100	3	4
		12UEL512	Core XII-Introduction to Journalism	6	25	75	100	3	4
		14UEL5E1	Major Elective I – Comparative Literature	5	25	75	100	3	5
	IV	14UEL5S3	Skill Based Subject: III Inspiring Speeches	2	25	75	100	3	3
VI	I	14UEL613	Core XIII-Shakespeare II	5	25	75	100	3	3
	II	14UEL614	Core XIV-Indian Literature in English Translation	5	25	75	100	3	3
	III	14UEL615	Core XV- New Literatures in English	4	25	75	100	3	3
		14UEL616	Core XVI- Women's Writings in English	4	25	75	100	3	3
		14UEL6E2	Major Elective II Intensive Study of an Author	5	25	75	100	3	5
		14UEL6E3	Major Elective III Literature for Ethics	5	25	75	100	3	5
	IV	14UEL6S4	Skill Based Subject: IV English Language Teaching	2	25	75	100	3	3
	V	\$\$	Extension Activities *	-	50	-	50	-	1
			Total	180			3800		140

[Type text]

@ 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. Indian Feministic Literature
3. Intensive Study of an Author
4. Comparative Literature
5. Classical Literature in Translation
6. Literature for Ethics

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.

[Type text]

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 2014-2015 & ONWARDS)

Semester	Subject Code/ Question Paper Code	Part		Title of the Paper	Instruction Hours	Exam. Marks			\$ Duration of Exam.	Credits
						CIA	ESE	Total		
I	13TML101 [@]	I	LAN	Tamil I/ Hindi I / Malayalam I/ French I /Sanskrit I	6	25	75	100	3	3
	14ENG101	II	LAN	English I	6	25	75	100	3	3
	12UMA101	III	CP 1	Classical Algebra	4	25	75	100	3	4
	12UMA102	III	CP 2	Calculus	5	25	75	100	3	4
	14UMA1I1	III	AP A1	Statistics I	7	25	75	100	3	5
	12EVS101	IV	EVS	Environmental Studies**	2	-	50	50	3	2
II	13 TML202 [@]	I	LAN	Tamil II/ Hindi II / Malayalam II/ French II/Sanskrit II	6	25	75	100	3	3
	14ENG202	II	LAN	English II	6	25	75	100	3	3
	12UMA203	III	CP 3	Differential Equations and Laplace Transforms	4	25	75	100	3	4
	12UMA204	III	CP 4	Trigonometry, Vector calculus and Fourier Series	5	25	75	100	3	4
	14UMA2I2	III	AP A2	Statistics II	7	25	75	100	3	5
	14VED201	IV	VED	Value Education -Moral and Ethics**	2	-	50	50	3	2
III	13TML303 [@]	I	LAN	Tamil III/ Hindi III / Malayalam III/ French III/ Sanskrit III	6	25	75	100	3	3
	14ENG303	II	LAN	English III	6	25	75	100	3	3
	12UMA305	III	CP 5	Analytical Geometry	4	25	75	100	3	4
	12UMA306	III	CP 6	Statics	3	25	75	100	3	4
	12UPH3A1	III	AP B1	Physics I Theory	5	20	55	75	3	4
	-	III	APr 1	Physics I Practical	2	-	-	-	-	-
	14UGA3S1	IV	SBS 1	General Awareness (online)	2	25	75	100	3	3
	13TBT301 / 13TAT301/ 12UHR3N1		NMEP 1	Basic Tamil * / Advanced Tamil **/ Non - Major Elective Paper- I ** Human Rights	2	-	75	75	3	2

IV	13TML404 @	I	LAN	Tamil IV/ Hindi IV / Malayalam IV / French IV/Sanskrit IV	6	25	75	100	3	3
	14ENG404	II	LAN	English IV	6	25	75	100	3	3
	12UMA407	III	CP 7	Graph Theory	3	25	75	100	3	4
	12UMA408	III	CP 8	Dynamics	4	25	75	100	3	4
	12UPH4A2	III	AP B2	Physics II – Theory	5	20	55	75	3	4
	12UPH4AL	III	A Pr 1	Physics – Practical	2	20	30	50	3	2
	12UMA4S2	IV	SBS 2	Theory of Numbers	2	25	75	100	3	3
	13TBT402 / 13TAT402 / 12WHR4N2	IV	NMEP 2	Basic Tamil * / Advanced Tamil **/ Non - Major Elective Paper- II ** Women's Rights	2	-	75	75	3	2
V	12UMA509	III	CP 9	Real Analysis I	5	25	75	100	3	3
	13UMA510	III	CP 10	Complex Analysis I	6	25	75	100	3	4
	12UMA511	III	CP 11	Modern Algebra I	6	25	75	100	3	4
	12UMA512	III	CP 12	Programming in C- Theory	4	25	75	100	3	3
	12UMA5CL	III	C Pr 1	Programming in C- Practical	2	40	60	100	3	2
	13UMA5E1	I	MEP 1	Major Elective Paper	5	25	75	100	3	5
	13UMA5S3	IV	SBS 3	Accountancy – I	2	25	75	100	3	3
VI	12UMA613	III	CP 13	Real Analysis II	6	25	75	100	3	4
	13UMA614	III	CP 14	Complex Analysis II	6	25	75	100	3	4
	12UMA615	III	CP 15	Modern Algebra II	6	25	75	100	3	4
	13UMA6E2	III	MEP 2	Major Elective Paper	5	25	75	100	3	5
	13UMA6E3	III	MEP 3	Major Elective Paper	5	25	75	100	3	5
	13UMA6S4	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 -12HIN101/202/303/404

French -12FRN101/202/303/404

Malayalam -12MLM101/202/303/404

Sanskrit -12SAN101/202/303/404

\$\$ NCC – 12NCC101

NSS – 12NSS101

Sports – 12PYE101

YRC – 12YRC101

\$ 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.

DEPARTMENT OF PHYSICS

SYLLABI FOR B.Sc PHYSICS

CURRICULAM AND SCHEME OF EXAMINATIONS (CBCS)
(Applicable to students admitted during the academic year 2014-2015 and onwards)



KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
COIMBATORE -641029

2014- 2015

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 2014 –2015 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	13TML103 [®]	LAN –Tamil I/Hindi I/ French I / Malayalam I / Sanskrit I	6	25	75	100	3	3
	II	14ENG101	LAN –English I	6	25	75	100	3	3
	III	12UPH101	C.P.1 – Properties of Matter and Sound	6	25	75	100	3	5
		14UPH2CL	C.Pr.1 – Practical I	3	-	-	-	-	
		13UMA1A1	Allied Subject I Mathematics – I	7	25	75	100	3	5
	IV	12EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	13TML202 [®]	LAN- Tamil II / Hindi II/ French II /Malayalam II / Sanskrit III	6	25	75	100	3	3
	II	14ENG202	LAN- English II	6	25	75	100	3	3
	III	12UPH202	C.P.2 – Heat and Thermodynamics	6	25	75	100	3	5
		14UPH2CL	C.Pr.1 -Practical I	3	40	60	100	3	2
		13UMA2A2	Allied Subject I Mathematics –II	7	25	75	100	3	5
	IV	13VED201	Value Education Moral and Ethics**	2	50		50	3	2
III	I	13TML303 [®]	LAN - Tamil III/Hindi III/ French III / Malayalam III / Sanskrit III	6	25	75	100	3	3
	II	14ENG303	LAN –English III	6	25	75	100	3	3
	III	12UPH303	C.P.3 – Mechanics	4	25	75	100	3	5
		12UPH4CM	C.Pr.2 Practical II	3	-	-	-	-	-
		14UCH3A3	Allied Subject II Chemistry –I	4	20	55	75	3	4
		14UCH4AL	Allied Practical Chemistry Practical	3	-	-	-	-	-
	IV	14UGA3S1	Skill based Subject1 – General Awareness	2	25	75	100	3	3
	IV	13TBT301/ 13TAT301/ 12UHR3N1	Basic Tamil*/Advanced Tamil** / Non Major Elective-I**	2	75		75	3	2

UPH2

IV	I	13TML404 [@]	LAN – Tamil IV/Hindi IV/ French IV / Malayalam IV / Sanskrit IV	6	25	75	100	3	3
	II	14ENG404	LAN – English IV	6	25	75	100	3	3
	III	12UPH404	C.P.4 – Electricity and Magnetism	4	25	75	100	3	5
		12UPH4CM	C.Pr.2 – Practical II	3	40	60	100	3	2
		14UCH4A4	Allied Subject II Chemistry –II	4	20	55	75	3	4
		14UCH4AL	Allied Practical Chemistry Practical	3	20	30	50	3	2
	IV	12UPH4S2	Skill based Subject –2 Programming in C	2	25	75	100	3	3
		13TBT402/ 13TAT402/ 12UWR4N2	Basic Tamil* / Advanced Tamil** / Non Major Elective- II**	2	-	75	75	3	2
V	III	14UPH505	C.P.5 – Optics and Laser Physics	5	25	75	100	3	4
		14UPH506	C.P.6 – Principles of Electronic Devices and Circuits	4	25	75	100	3	4
		12UPH507	C.P.7 – Quantum Mechanics and Relativity	5	25	75	100	3	5
		12UPH508	C.P.8 – Fundamentals of Digital Electronics	4	25	75	100	3	4
		14UPH5E1	Major Elective Paper –I Medical electronics/ Energy Sources	3	25	75	100	3	5
		14UPH6CN	C.Pr.3 – Practical III -General	3	-	-	-	-	-
		14UPH6CO	C.Pr.4 – Practical IV - Electronics , Digital Electronics and Microprocessors	2	-	-	-	-	-
		12UPH6CP	C.Pr.5 – Practical V Programming in C in C++	2	-	-	-	-	-
	IV	12UPH5S3	Skill Based Subject 3 – Object oriented programming in C++	2	25	75	100	3	3
VI	III	14UPH609	C.P.9 – Atomic and Solid State Physics	4	25	75	100	3	4
		14UPH610	C.P.10 – Principles of Communication Systems	5	25	75	100	3	4
		12UPH611	C.P.11 – Nuclear Physics	4	25	75	100	3	5
		14UPH6E2	Major Elective Paper–II Fundamentals of Microprocessors and Microcontrollers / Mathematical Physics	4	25	75	100	3	5
		14UPH6E3	Major Elective Paper–III Astrophysics / Electronic Instrumentation	4	25	75	100	3.10	5
		14UPH6CN	C.Pr.3 Practical III -General	3	40	60	100	3	2

UPH3

		14UPH6CO	C.Pr.4– Practical IV - Electronics , Digital Electronics and Microprocessors	2	40	60	100	3	2
		12UPH6CP	C.Pr.5– Practical V – Programming in C and C++	2	40	60	100	3	2
	IV	12UPH6S4	Skill Based Subject 4 – Introduction to Bio-Physics	2	25	75	100	3	3
	V	12NCC/NSS/Y RC/PYE101\$\$	Extension Activities*	-	50	-	50	-	1
			Total	180			3800		140

@ Malayalam – 13MLM 101 - 404

@ Hindi/ French/ Sanskrit – 12HIN/FRN/SAN 101 - 404

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

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

Major Elective Papers

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

1. Energy Sources
2. Medical Electronics
3. Fundamentals of Microprocessors and Microcontrollers
4. Mathematical Physics
5. Astrophysics
6. Electronic Instrumentation

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/Hindhi/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

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 2014 - 2015 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	13TML101	Language I@	6	25	75	100	3	3
	II	14ENG101	English I	6	25	75	100	3	3
	III	14UCH101	Core Chemistry Paper I General Chemistry - 1	6	25	75	100	3	5
			Core Chemistry Practical I	3	-	-	-	-	-
		13UMA1A2/ 13UZO1A1	Allied Mathematics Paper I/ Allied Zoology Paper I	7/5	25/ 20	75/ 55	100/75	3	5/ 4
			Allied Zoology Practical	2	-	-	-	-	-
	IV	12EVS101	Environmental Studies* *	2	-	50	50	3	2
II	I	13TML202	Language II@	6	25	75	100	3	3
	II	14ENG202	English II	6	25	75	100	3	3
	III	14UCH202	Core Chemistry Paper II General Chemistry - 2	6	25	75	100	3	5
		14UCH2CL	Core Chemistry Practical I	3	40	60	100	3	2
		13UMA2A2/ 12UZO2A2	Allied Mathematics Paper II/Allied Zoology Paper II	7/5	25/ 20	75/ 55	100/75	3	5/ 4
		12UZO2AL	Allied Zoology Practical	2	20	30	50	3	2
	IV	14VED201	Value Education-Moral & Ethics* *	2	-	50	50	3	2
III	I	13TML303	Language III @	6	25	75	100	3	3
	II	14ENG303	English III	6	25	75	100	3	3

	III	14UCH303	Core Chemistry Paper III General Chemistry - 3	4	25	75	100	3	4
			Core Chemistry Practical II	3	-	-	-	-	-
		12UPH3A1	Allied Physics Paper I	4	20	55	75	3	4
			Allied Physics Practical I	3	-	-	-	-	-
	IV	14UGA3S1	Skill Based Subject 1 General Awareness (on line)	2	25	75	100	3	3
		13TBT301/13TAT301/ 12UHR3N1	Basic Tamil*/ Advanced Tamil**/ Non Major elective –I ** (Human Rights)	2	75		75	3	2
IV	I	13TML404	Language IV @	6	25	75	100	3	3
	II	14ENG404	English IV	6	25	75	100	3	3
	III	14UCH404	Core Chemistry paper IV General Chemistry - 4	4	25	75	100	3	4
		14UCH4CM	Core Chemistry Practical II	3	40	60	100	6	3
		12UPH4A2	Allied Physics Paper II	5	20	55	75	3	4
		12UPH4AL	Allied Physics Practical I	2	20	30	50	3	2
	IV	14UCH4S2	Skill Based Subject 2 Water chemistry	2	25	75	100	3	3
	IV	13TBT402/13TAT402/ 12UWR4N2	Basic Tamil*/ Advanced Tamil**/ Non Major elective –II** (Women's Rights)	2		75	75	3	2
V	III	14UCH505	Core Chemistry Paper –V Spectroscopy and chromatographic techniques	3	25	75	100	3	3
		14UCH506	Core Chemistry Paper –VI Inorganic Chemistry – 1	4	25	75	100	3	4
		14UCH507	Core Chemistry Paper –VII Organic Chemistry - 1	4	25	75	100	3	4
		14UCH508	Core Chemistry Paper –VIII Physical Chemistry - 1	4	25	75	100	3	4

		14UCH5E1	Major Elective 1	3	25	75	100	3	5
		14UCH6CN	Core Chemistry Practical -III	3	-	-	-	-	-
		14UCH6CO	Core Chemistry Practical-IV	4	-	-	-	-	-
		14UCH6CP	Core Chemistry Practical -V	3	-	-	-	-	-
	IV	14UCH5S3	Skill Based Subject-3 Chemical Industry	2	25	75	100	3	3
VI	III	14UCH609	Core Chemistry Paper-IX Inorganic Chemistry - 2	4	25	75	100	3	4
		14UCH610	Core Chemistry Paper-X Organic Chemistry - 2	4	25	75	100	3	4
		14UCH611	Core Chemistry Paper-XI Physical Chemistry - 2	4	25	75	100	3	4
		14UCH6E2	Major Elective – 2	3	25	75	100	3	5
		14UCH6E3	Major Elective - 3	3	25	75	100	3	5
		14UCH6CN	Core Chemistry Practical-III	3	40	60	100	3	3
		14UCH6CO	Core Chemistry Practical-IV	3	40	60	100	3	3
		14UCH6CP	Core Chemistry Practical -V	4	40	60	100	3	4
	IV	14UCH6S4	Skill Based Subject- 4 Food chemistry	2	25	75	100	3	3
	V	14NCC/NSS/YRC/ PYE101	Extension Activities *	-	50	-	50	-	1

@ Hindi/Malayalam/French/Sanskrit – 12HIN/13MLN/12FRN/12SAN101 – 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.

JOC - Textile chemistry

MARK DISTRIBUTION

I. THEORY PAPERS- INTERNAL (25 Marks)

CIA Examination	15
Assignment	5
Attendance	5
Total	25

II. PRACTICAL PAPERS - INTERNAL (40 Marks)

CIA-Examination	25
Observation	10
Attendance	05
Total	40

Distribution of questions and question paper pattern for End Semester Examination and CIA examinations (theory papers only) – 75 Marks

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

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 (2014-2015))

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credit
					CIA	ESE	Total		
I	I	13TML101	Part-I -Lang -Tamil-I /Hindi-I /French -I / Malayalam – I / Sanskrit - I	6	25	75	100	3	3
	II	13ENG101	Part – II - English - I	6	25	75	100	3	3
	III	13UBO101	C.P.1- Plant Diversity-I (Algae, Fungi, Bacteria, Lichens & Plant Pathology)	5	25	75	100	3	4
		13UZO1A1	Allied -1 Zoology – I	7	20	55	75	3	4
			C.Pr.1 - Plant Diversity – I	2	-	-	-	-	-
		13UZO1A1	Allied Pr. Zoology – 1	2	-	-	-	-	-
	IV	12EVS101	Environmental studies**	2	-	50	50	3	2
II	I	13TML202	Part – I- Tamil–II /Hindi–II /French–II / Malayalam-II / Sanskrit - II	6	25	75	100	3	3
	II	13ENG202	Part- II- English - II	6	25	75	100	3	3
	III	14UBO202	C.P.2-Plant Diversity-II (Bryophytes, Pteridophytes, Gymnosperms & Paleobotany)	7	25	75	100	3	4
		13UZO2A2	Allied - 2 Zoology - 2	5	20	55	75	3	4
		14UBO2CL	C.Pr.1 - Plant Diversity – 1 & II	2	40	60	100	3	2
		13UZO2AL	Allied. Pr. Zoology	2	20	30	50	3	2
	IV	13VED201	Value Education Moral and Ethics**	2	-	50	50	3	2
III	I	13TML303	Part–I–Tamil–III /Hindi- III / French- III / Malayalam – III / Sanskrit - III	6	25	75	100	3	3
	II	13ENG303	Part – II -Lang – English - III	6	25	75	100	3	3
	III	14UBO303	C.P. 3 - Anatomy and Embryology of Angiosperms.	5	25	75	100	3	4
		13UCHOA1	Allied – 3 – Chemistry - 1	5	20	55	75	3	4
		13UBO4CM	C. Pr. 2 - Anatomy and Embryology of Angiosperms	2	-	-	-	-	-
		13UCHOA2	Allied – Pr. – Chemistry	2	-	-	-	-	-
	IV	13UGA3S1	Skill based subject –I General awareness	2	25	75	100	3	3
IV	I	13TML404	Part-I–Tamil–IV / Hindi-IV / French - IV/ Malayalam – IV / Sanskrit - IV	6	25	75	100	3	3
	II	13ENG404	Part– II -Lang – English IV	6	25	75	100	3	3
	III	14UBO404	C.P.4- Biostatistics and Biophysics	5	25	75	100	3	4

V	III	13UCHOA2	Allied 4 – Chemistry - 2	5	20	55	75	3	4
		14UBO4CM	C. Pr. 2 – Anatomy & Embryology / Biostatistics & Biophysics	2	40	60	100	3	2
		13UCH4AL	Allied Pr. Chemistry.	2	20	30	50	3	2
	IV	14UBO4S2	Skill based subject-II Tissue culture concept and applications	2	25	75	100	3	3
		13TBT401/ 13TAT402 13UWR4N2	Basic Tamil*/ Advanced Tamil**/ Non Major Elective – Women Rights**	2	-	75	75	3	2
		14UBO505	C.P. 5 – Fundamentals of Computer and Bioinformatics	4	25	75	100	3	4
	III	14UBO506	C.P. 6 - Taxonomy of Angiosperms & Economic Botany	5	25	75	100	3	5
		13UBO507	C.P.7 - Cytology, Genetics and Plant Breeding.	4	25	75	100	3	5
		13UBO508	C.P. 8 - Plant Ecology, Phyto Geography and Resource Conservation	4	25	75	100	3	5
		14UBO5E1	Elective – I. Forestry	3	25	75	100	3	5
		14UBO5CN	C.Pr.3 – Fundamentals of Computer and Bioinformatics	4	40	60	100	3	2
		12UBO6CO	C.Pr. 4 - Taxonomy of Angiosperms, Economic Botany, Cytology, Genetics and Plant Breeding, Plant Ecology, Plant Geography and Resource Conservation	4	-	-	-	-	-
VI	IV	13UBO5S3	Skill based subject- III- Mushroom cultivation and Marketing	2	25	75	100	3	3
		14UBO5IT	Internship Training	Grade****					
	III	13UBO609	C.P.9 - Horticulture	5	25	75	100	3	5
		13UBO610	C.P.10- Biochemistry	5	25	75	100	3	5
		14UBO611	C.P.11- Plant Physiology	5	25	75	100	3	5
		13UBO6CO	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
		12UBO6CP	C. Pr. 5 – Horticulture, Biochemistry and Plant physiology	4	40	60	100	3	2
		13UBO6E2	Elective- II – Biotechnology	5	25	75	100	3	5
		14UBO6Z1	Project***	4	20	80	100	-	5
		12UBO6S4	Skill based Subject-IV- Cultivation and Marketing of Medicinal plants	2	25	75	100	3	3
		13NCC/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)

Major Elective Papers

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

- 1. Forestry**
- 2. Medicinal plants**
- 3. Food science**
- 4. Fundamentals of Microbiology**
- 5. Biotechnology**
- 6. Pharmacognosy**

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.

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.

Tally Table (UG)

	Subject groups	Total Marks	Total Credit points
Part – I	Tamil Paper – 1 to IV	400	12
Part – II	English Paper – 1 – IV	400	12
Main Paper III	Core Paper – 1 to 11	1100 (1600)	60
	Core Practical – 1 to 5	500	
	Allied Paper Zoology 1 to 2	150	10
	Zoology Practical	50	
	Allied Paper – II Chemistry 1 to 2	150	10
	Allied Chemistry Practical	50	
	Major Electives	300	15
IV	Skill Based Courses	400	12
	Basic Tamil/ Advanced Tamil/ Non Major Elective	150	4
	Environmental Studies	50	2
	Value Education	50	2
V	Extension activities	50	1
	Grand Total	3800	140

JOC, COP, Extra diploma and PG diploma courses are offered to the students admitted during the academic year **2013-2014** and will be considered as extra credit courses.

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

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

Curriculum and scheme of Examination under CBCS

(Applicable to students Admitted from the Academic Year 2014-2015 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	13TML101	Language I@	6	25	75	100	3	3
	II	14ENG101	English –I	6	25	75	100	3	3
	III	13UZO101	Core 1–Non-Chordata	7	25	75	100	3	5
	III	12UZO111	Allied 1- Sericulture I /	5	20	55	75	3	4
		13UBO1A1	Botany I						
			C.Pr. 1- Non Chordata and Chordata	2	-	-	-	-	-
			Allied Pr. 1. Sericulture	2	-	-	-	-	-
	IV	12EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	13TML202	Language II@	6	25	75	100	3	3
	II	14ENG202	English –II	6	25	75	100	3	3
	III	12UZO202	Core 2–Chordata	7	25	75	100	3	5
	III	12UZO2I2	Allied 2- Sericulture II /	5	20	55	75	3	4
		13UBO2A2	Botany II						
		12UZO2CL	C.Pr. 1- Non Chordata and Chordata (Based on core subjects I & II semesters)	2	40	60	100	3	2
		12UZO2IL 13UBO2AL	Allied Pr. 1. Sericulture / Botany	2	20	30	50	3	2
	IV	13VED201	Value Education- Moral and Ethics **	2	-	50	50	3	2
III	I	13TML303	Language III@	6	25	75	100	3	3
	II	14ENG303	English –III	6	25	75	100	3	3
	III	13UZO303	Core 3– Physiology	5	25	75	100	3	5
	III	14UBC 3A3	Allied 3- Biochemistry	5	20	55	75	3	4
			C.Pr. 2- Physiology and Cell Biology	2	-	-	-	-	-
			Allied Pr. 2. Biochemistry	2	-	-	-	-	-
	IV	14UGA3S1	Skill Based subject 1- General Awareness	2	25	75	100	3	3
	IV	13TBT301/ 13TAT301/ 12UHR3N1	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**- Human rights	2	-	75	75	3	2

APPROVED BY THE ACADEMIC COUNCIL

Date: 05/04/2014 Item No: XII Page No: 0201 To: 02075

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

IV	I	13TML404	Language IV@	6	25	75	100	3	3	
	II	14ENG404	English -IV	6	25	75	100	3	3	
	III	13UZO404	Core 4- Cell Biology	5	25	75	100	3	5	
	III	14UBC4A4	Allied 4- Biochemistry	5	20	55	75	3	4	
		12UZO4CM	C.Pr. 2- Physiology and Cell Biology	2	40	60	100	3	2	
		12UBC4AL	Allied Pr. 2. Biochemistry	2	20	30	50	3	2	
	IV	12UZO4S2	Skill Based subject 2- Health education	2	25	75	100	3	3	
	IV	13TBT402/ 13TAT402/ 12UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**- Women's rights	2	-	75	75	3	2	
	V	III	12UZO505	Core 5- Genetics	5	25	75	100	3	4
	III	12UZO506	Core 6-Biotechnology-I	5	25	75	100	3	4	
III	12UZO507	Core 7-Ecology	5	25	75	100	3	4		
III	13UZO508/ 14UZO508	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	14UZO5E1	Major Elective -1	4	25	75	100	3	5		
IV	12UZO5S3/ 14UBC/UBT/ 14UBC-5X1	Skill Based subject-3	2	25	75	100	3	3		
		14UZO5IT	EDC - Internship						Grade	
VI	III	12 UZO609	Core 9 -Microbiology and Immunology	4	25	75	100	3	4	
	III	13 UZO610	Core 10 - Biotechnology- II	5	25	75	100	3	4	
	III	12 UZO611	Core 11 -Developmental Biology	5	25	75	100	3	4	
	III	14UZO612	Core 12 - Animal diversity	4	25	75	100	3	4	
		14UZO 6CN	C.Pr.3: based on CP 5,7,8,11,12	2	40	60	100	3	2	
		13UZO 6CO	C.Pr.4: based on CP 6,9,10	2	40	60	100	3	2	
	III	14UZO6E2	Major Elective 2	3	25	75	100	3	5	
	III	14UZO6Z1	Project	3	20	80	100	3	5	
	IV	12UZO6S4	Skill Based subject-4 Commercial fish culture	2	25	75	100	3	3	
	V	12NCC/NSS/ YRC/ PYE101	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

**** 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

~~EDC~~ EDC
Biology – Medicinal Botany & Human Welfare
Biochemistry – Diagnostic Biochemistry
Biotechnology – Molecular Diagnostics
Zoology – Ornamental Fishery Technology

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 <i>2 DC -</i>	<i>3 400</i> <i>100</i>	<i>9 12</i> <i>3</i>
		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)
 College with Potential for Excellence
 Re-accredited by NAAC with 'A' Grade Status – CGPA 3.80 out of 4 (95%)
 Coimbatore - 641029
 Tamil Nadu, India.

Course Name: B.Sc. Biochemistry
Curriculum and Scheme of Examination under CBCS

(Applicable to Students Admitted from the Academic Year 2014-2015 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	13TML101	Language I@	6	25	75	100	3	3
	II	14ENG101	English –I	6	25	75	100	3	3
	III	14UBC101	C.P.1 Chemistry of Biomolecules	7	25	75	100	3	6
		-	C. Pr. I - Biochemistry	2	-	-	-	-	-
		13UZO1A1	Allied A1- Zoology I	5	20	55	75	3	4
		-	A. Pr. 1 Zoology	2	-	-	-	-	-
	IV	12EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	13TML202	Language II@	6	25	75	100	3	3
	II	14ENG202	English –II	6	25	75	100	3	3
	III	14UBC202	C.P.2 Bioanalytical Techniques	7	25	75	100	3	6
		14UBC2CL	C.Pr. 1 Biochemistry	2	40	60	100	3	2
		12UZO2A2	Allied A. 2 Zoology II	5	20	55	75	3	4
		12UZO2AL	A. Pr. 1 Zoology	2	20	30	50	3	2
	IV	14VED201	Value Education- Moral and Ethics**	2	-	50	50	3	2
II I	I	13TML303	Language III@	6	25	75	100	3	3
	II	14ENG303	English –III	6	25	75	100	3	3
	III	14UBC303	C. P. 3 – Enzymes and Enzyme Technology	4	25	75	100	3	5
		-	C.Pr. 2 Biochemistry	3	-	-	-	-	-
		14UCH3A3	Allied B. 1. Chemistry I	5	20	55	75	3	4
		-	A.Pr.2 Chemistry	2	-	-	-	-	-
	IV	14UGA3S1	Skill Based Subject 1- General Awareness	2	25	75	100	3	3
		13TBT301/ 13TAT301/ 12UHR3N1	Basic Tamil* Advanced Tamil** (OR) Non-Major Elective- I**	2	75		75	3	2
	I	13TML404	Language IV@	6	25	75	100	3	3
	II	14ENG404	English –IV	6	25	75	100	3	3

I V	III	14UBC404	C. P. 4 Intermediary Metabolism	4	25	75	100	3	4
		14UBC4CM	C. Pr.2. Biochemistry	3	40	60	100	3	2
		14UCH4A4	Allied B.2 Chemistry II	5	20	55	75	3	4
		14UCH4AL	A. Pr.2. Chemistry	2	20	30	50	3	2
	IV	14UBC4S2	Skill Based Subject 2- Common Human Diseases	2	25	75	100	3	3
13TBT402/ 13TAT402/ 12UWR4N2		Basic Tamil*/ Advanced Tamil** (OR) Non-Major Elective- II**	2	75		75	3	2	
V	III	14UBC505	C.P.5 Human Physiology	4	25	75	100	3	4
		14UBC506	C.P.6 Cell Biology	4	25	75	100	3	4
		14UBC507	C.P.7 Clinical Biochemistry	4	25	75	100	3	4
		14UBC508	C.P.8 Molecular Biology	4	25	75	100	3	4
	III	14UBC5E1	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	14UBC5S3	Skill Based Subject 3- Diagnostic Biochemistry	2	25	75	100	3	3
	-	14UBC5IT	Internship Training	Grade ****					
V I	III	14UBC609	C.P.9 Plant Biochemistry and Therapeutics	4	25	75	100	3	4
		14UBC610	C.P.10 Immunology and Immuno Techniques	4	25	75	100	3	4
		14UBC611	C.P.11 Genetic Technology	4	25	75	100	3	4
	III	14UBC6E2	Major Elective II -	4	25	75	100	3	5
		14UBC6Z1	Project ***	4	20	80	100	-	5
	III	14UBC6CN	C.Pr.3. Biochemistry	4	40	60	100	6	3
		14UBC6CO	C.Pr.4. Biochemistry	2	40	60	100	4	2
		14UBC6CP	C.Pr.5. Biochemistry	2	40	60	100	4	2
	IV	14UBC6S4	Skill Based Subject 4- Dairy Biochemistry	2	25	75	100	3	3
	V	14 NCC / NSS / YRC / PYE101	Extension Activities*	-	50	-	50	-	1
Total				180			3800	140	

@ Hindi/Malayalam/ French/ Sanskrit – 12HIN/13MLM/12FRN/12SAN101 - 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. Introduction to 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 2014-2015 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (Hours)	Credits
					CIA	ESE	Total		
I	I	13TML101	Language I [@]	6	25	75	100	3	3
	II	14ENG101	English I – English for Career Orientation - I	6	25	75	100	3	3
	III	14UBT101	C.P.1 - Cell Biology	6	25	75	100	3	5
		12UCH0A1	Allied A. Paper 1: Chemistry - I	5	20	55	75	3	4
		14UBT2CL	C.Pr.1 - Cell Biology and Genetics	3	-	-	-	-	-
		12UCH0AL	Allied Pr.1 - Chemistry Practical	2	-	-	-	-	-
	IV	12EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	13TML202	Language II [@]	6	25	75	100	3	3
	II	14ENG202	English II - English for Career Orientation - II	6	25	75	100	3	3
	III	14UBT202	C.P.2 - Genetics	6	25	75	100	3	4
		12UCH0A2	Allied A. Paper 2: Chemistry - II	5	20	55	75	3	4
		14UBT2CL	C.Pr.1- Cell Biology and Genetics	3	40	60	100	3	2
		12UCH0AL	Allied A. Pr. 1 - Chemistry Practical	2	20	30	50	3	2
	IV	13VED201	Value Education Moral and Ethics**	2	-	50	50	3	2
III	I	13TML303	Language III [@]	6	25	75	100	3	3
	II	14ENG303	English III - English for Communication and Literary Appreciation - I	6	25	75	100	3	3
	III	14UBT303	C.P. 3 – Biochemistry	4	25	75	100	3	4
		12UBT3A3	Allied B. P. 1 - Basic Mathematics and Statistics	7	20	55	75	3	4
		14UBT4CM	C.Pr.2- Biochemistry and Microbiology	3	-	-	-	-	-
	IV	12UBT3S1	Skill Based Subject: 1 General Awareness (on-line)	2	25	75	100	3	3
		12UHR3N1**/ 13TBT301*/ 13TAT301**	Non Major Elective – I** Human Rights /Basic Tamil /Advanced Tamil	2	-	75	75	3	2
IV	I	13TML404	Language IV [@]	6	25	75	100	3	3
	II	14ENG404	English IV - English for Communication and Literary Appreciation – II	6	25	75	100	3	3
	III	14UBT404	C.P.4 – Microbiology	4	25	75	100	3	4
		14UBT4CM	C.Pr.2- Genetics and Microbiology	3	40	60	100	3	3
		12UBT4A4	Allied C. P.1- C-Programming and Numerical methods	5	20	55	75	3	4
		12UBT4AL	Allied C. Pr. 1 – Lab in C-Programming	2	20	30	50	3	2

	IV	13UBT4S2	Skill Based Subject: 2 – Human Biology and Diagnosis – Paper I – Human Anatomy and Physiology (on-line)	2	25	75	100	3	3
		12UWR4N2**/ 13TBT401*/ 13TAT402**	Non Major Elective – II** - Women’s Rights /Basic Tamil /Advanced Tamil	2	-	75	75	3	2
		14UBT5ST	Compulsory Summer Training @@						
V	III	14UBT505	C.P.5 – Bioinstrumentation and Biophysics	4	25	75	100	3	4
		14UBT506	C.P.6- Molecular Biology	4	25	75	100	3	4
		14UBT507	C.P.7- Immunology	4	25	75	100	3	4
		14UBT508	C.P.8- rDNA Technology	4	25	75	100	3	4
		14UBT6CN	C.Pr.3 - Bioinstrumentation, Molecular biology, Immunology and rDNA techniques	4	-	-	-	3	-
		14UBT6CO	C.Pr.4-Bioprocess technology, Plant and Animal tissue culture	4	-	-	-	3	-
		14UBT5E1	Major Elective I	4	25	75	100	3	5
	IV	13UBT5S3	Skill Based Subject: 3 - Human Biology and Diagnosis – Paper II – Human Infection and Diagnosis (on-line)	2	25	75	100	3	3
VI	III	14UBT609	C.P.9 - Animal Biotechnology	4	25	75	100	3	4
		14UBT610	C.P.10 - Bioprocess technology	4	25	75	100	3	4
		14UBT611	C.P.11 - Plant Biotechnology	4	25	75	100	3	4
		14UBT612	C.P.12–Genomics, Proteomics and Bioinformatics	4	25	75	100	3	5
		14UBT6Z1	Project***	2	20	80	100	3	4
		14UBT6CN	C.Pr.3 - Bioinstrumentation, Molecular biology, Immunology and rDNA techniques	3	40	60	100	3	3
		14UBT6CO	C.Pr.4 - Bioprocess technology, Plant and Animal tissue culture	3	40	60	100	3	3
		14UBT6E2	Major Elective II	4	25	75	100	3	5
	IV	13UBT6SL	Skill Based Subject: 4 - Human Biology and Diagnosis – Paper III – Health Assessment and Diagnosis (on-line)	2	25	75	100	3	3
	V	12NSS101/ 12NCC101/ 12PYE101/ 12YRC101 [#]	Extension Activities*	-	50	-	50	-	1
Total				180			3800		140

@ Hindi/Malayalam/French/Sanskrit-12HIN/MLM/FRN/SAN101 - 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; Group Project

Major Elective Papers (2 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. Biodiversity and Environmental Biotechnology

Non - Major Elective Papers

1. Human Rights
2. Women's Rights

Skill Based Subject (On-line)

1. General Awareness
2. Human Biology and Diagnosis Paper I – Human Anatomy and Physiology
3. Human Biology and Diagnosis Paper II – Human Infections and Diagnosis
4. Human Biology and Diagnosis Paper III – Health Assessment and Diagnosis

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/ 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 theory subjects except JOC, COP and Diploma Courses, which are considered as extra credit courses.

Job Oriented Courses (JOC)

1. Herbal Biotechnology (12UBT0J1)
2. Applied Biotechnology – Biomass, Biofertilizer and Biocontrol agents (12UBT0J2)

Note: JOC which are offered at present will be applicable for the students admitted during the academic year 2012-2013 and will be considered as extra credit courses.

@@ The result of the Summer training will be displayed in the mark sheet (V Semester) 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
	Regularity / Attendance	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 - 641 029.

B.Sc. COMPUTER SCIENCE

Curriculum and Scheme of Examination under CBCS

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2014-2015 & Onwards)

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	13TML1A1	Language 1@	6	25	75	100	3	3
	II	14ENG101	English I	6	25	75	100	3	3
	III	14UCS101	C.P.1 – COBOL Programming	4	25	75	100	3	4
		12UCS1CL	C.Pr.1 – COBOL Programming - Lab	6	40	60	100	3	2
		12UCS1A1	Allied 1 –Discrete Mathematics and Statistics	6	25	75	100	3	5
	IV	12EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	13TML2A2	Language II@	6	25	75	100	3	3
	II	14ENG202	English II	6	25	75	100	3	3
		12UCS202	C.P.2 - C Programming	4	25	75	100	3	4
		12UCS2CM	C.Pr.2 – C Programming - Lab	6	40	60	100	3	2
		12UCS2A2	Allied 2 –Operations Research	6	25	75	100	3	5
	IV	14VED201	Value Education – Moral and Ethics **	2	-	50	50	3	2
III	III	12UCS303	C.P.3 - Computer Organization and Architecture	5	25	75	100	3	4
		12UCS304	C.P.4 – Database Management System	5	25	75	100	3	4
		12UCS305	C.P.5 -Object Oriented Programming with C++	5	25	75	100	3	5
		12UCS3CN	C.Pr.3 – Object Oriented Programming with C++ - Lab	6	40	60	100	3	2
		12UCS3A3	Allied 3 –Business Accounting	5	25	75	100	3	5
	IV	12UCS3S1	Skill Based Subject 1- (Web Programming - HTML, CSS, XML)	2	25	75	100	3	3
		13TBT301 / 13TAT301 / 12UHR3N1	Basic Tamil */ Advanced Tamil **/ Non-Major Elective 1**	2	—	75	75	3	2

IV	III	12UCS406	C.P.6 – Operating Systems	5	25	75	100	3	4
		12UCS407	C.P.7 – Data Structures	5	25	75	100	3	4
		12UCS408	C.P.8 – Visual Basic and Oracle	5	25	75	100	3	5
		12UCS4CO	C.Pr.4 – Visual Basic and Oracle Lab	6	40	60	100	3	2
		12UCS4A4	Allied 4–Microprocessors, PC – Hardware and Interfacing	5	25	75	100	3	5
	IV	12UCS4SL	Skill Based Subject 2 - (Web Programming Lab - HTML, CSS, XML)	2	40	60	100	3	3
		13T BT402 / 13T AT402 / 12UWR4N2	Basic Tamil*/ Advanced Tamil** / Non-Major Elective 2**	2	—	75	75	3	2
V		12UCS509	C.P.9 – Software Engineering and Testing	6	25	75	100	3	4
	III	12UCS510	C.P.10 – Java Programming	4	25	75	100	3	5
		12UCS5CP	C.Pr.5 – Java Programming -Lab	6	40	60	100	3	2
		12UCS511	C.P.11 – Computer Networks	6	25	75	100	3	4
		12UCS5E1	Major Elective I	6	25	75	100	3	5
	IV	12UCS5S2	Skill Based Subject 3 – (Web Programming-JAVA SCRIPT, VBSCRIPT, ASP)	2	25	75	100	3	3
VI	III	14UCS612	C.P.12 – Software Project Management	4	25	75	100	3	4
		12UCS613	C.P.13 – Visual Basic .Net	4	25	75	100	3	5
		12UCS6CQ	C.Pr.6 – Visual Basic.Net -Lab	6	40	60	100	3	2
		14UCS614	C.P.14 – Information Security	5	25	75	100	3	5
		12UCS6E2	Major Elective II	5	25	75	100	3	5
		12UCS6Z1	Project Work and Viva-Voce ***	4	20	80	100	3	4
	IV	12UCS6SM	Skill Based Subject 4 – (Web Programming Lab - JAVA SCRIPT, VBSCRIPT, ASP)	2	40	60	100	3	3
Part V		12NCC/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 2014-2015] onwards

Semester	Part	Subject code	Title of the Paper	ss / CycleInstruction	Exam. Marks			s)Duration of Exam.	Credits
					CIA	ESE	Total		
I	I	13TML1A1	Lan - Tamil I/Hindi I/French I/ Malayalam I/ Sanskrit I	6	25	75	100	3	3
	II	14ENG101	Lan - English I	6	25	75	100	3	3
	III	14UCA101	C.P.1: – C Programming	5	25	75	100	3	4
		12UCA1CL	C.Pr .1: – C Programming Lab	5	40	60	100	3	2
		12UCA1A1	Allied 1:–Business Accounting	6	25	75	100	3	5
	IV	12EVS101	Enviromental Studies **	2	-	50	50	3	2
II	I	13TML2A2	Lan - Tamil II/Hindi II/ FrenchII/MalayalamII/ Sanskrit II	6	25	75	100	3	3
	II	13ENG202	Lan - English II	6	25	75	100	3	3
	III	14UCA202	C.P. 2: Object Oriented Programming with C++	4	25	75	100	3	4
		14UCA203	C.P. 3: – Digital Fundamentals and Computer Organization	3	25	75	100	3	4
		14UCA2CM	C.Pr .2:– Object Oriented Programming with C++ - Lab	3	40	60	100	3	2
		12UCA2A2	Allied 2:– Computer Oriented Numerical and Statistical methods	6	25	75	100	3	5
	IV	13VED201	Value Education - Moral & Ethics**	2	-	50	50	3	2
III	III	12UCA304	C.P.4: – Operating Systems	5	25	75	100	3	4
		12UCA305	C.P. 5: – Data Structures and Algorithms	5	25	75	100	3	4
		14UCA306	C.P 6: – Relational Database Management Systems	5	25	75	100	3	4

		12UCA3CN	C.Pr .3:– Relational Database Management Systems -Lab	5	40	60	100	3	2
		12UCA3A3	Allied 3:– Operations Research.	6	25	75	100	3	5
	IV	14UCA3S1	Skill based Subject - I Multimedia	2	25	75	100	3	3
		13TBT301/ 13TAT301/ 12UHR3N1	Basic Tamil*/ Adv.Tamil **/ Non major Elective I – Human Rights	2	-	75	75	3	2
IV	III	12UCA407	C.P 7:– Software Engineering	5	25	75	100	3	4
		12UCA408	C.P 8: – Computer Networks	5	25	75	100	3	4
		12UCA409	C.P 9: – JAVA Programming	5	25	75	100	3	5
		14UCA4CO	C.Pr .4: – :- JAVA Programming – Lab	5	40	60	100	3	2
		14UCA4A4	Allied 4: -Organizational Behavior and Marketing	6	25	75	100	3	5
	IV	12UCA4SL	Skill based Subject - II Multimedia lab -Photoshop	2	40	60	100	3	3
		13TBT402/ 13TAT402/ 12UWR4N2	Basic Tamil*/Adv.Tamil**/ Non major Elective II – Women’s Rights	2	-	75	75	3	2
V	III	14UCA510	C.P 10:– Visual Basic and .NET	6	25	75	100	3	5
		14UCA511	C.P 11: –Cloud Computing	6	25	75	100	3	5
		12UCA512	C.P 12: – Data Mining	5	25	75	100	3	5
		14UCA5E1	Elective Paper I	6	25	75	100	3	5
		14UCA5CP	C.Pr .5 – Visual Basic and .NET Lab	5	40	60	100	3	2
	IV	14UCA5S3	Skill based Subject - III Animation Techniques	2	25	75	100	3	3
VI		14UCA6E2	Elective Paper II	6	25	75	100	3	5
		12UCA613	C.P. 13: - Internet & Web Designing	6	25	75	100	3	4

	III	14UCA614	C.P.14:- Information Security	6	25	75	100	3	5
		12UCA6CQ	C.Pr. 6: - Web designing Lab	4	40	60	100	3	2
		12UCA6Z1	Project Work & Viva-Voce	6	20	80 *	100	3	4
	IV	12UCA6S4	Skill based Subject - IV Animation lab - Flash	2	40	60	100	-	3
Part V		12NCC/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	2000	2700	72
	Allied	400		20
	Elective	300		15
Part IV	Basic Tamil/Adv.Tamil/Non-Elective Major	150	650	4
	Skill Based subject	400		12
	Environmental Studies	50		2
	Value Education	50		2
Part V	Extension Activities	50	50	1
Grand Total Marks / Credits		3800	3800	140

Note:

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

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 [BSc. CT]

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2014-2015 & ONWARDS]

Semester	Part	Subject Code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam(Hours)	Credits
					CIA	ESE	Total		
I	I	13TML1A1	Language I @	6	25	75	100	3	3
	II	14ENG101	English I	6	25	75	100	3	3
	III	14UCT101	C.P.1 C Programming	5	25	75	100	3	4
		14UCT1CL	C.Pr.1 C Programming Lab	5	40	60	100	3	2
		12UCT1A1	Allied 1 - Discrete Mathematics and Statistics	6	25	75	100	3	5
	IV	12EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	13TML2A2	Language II @	6	25	75	100	3	3
	II	14ENG202	English II	6	25	75	100	3	3
	III	12UCT202	C.P.2 Digital Fundamentals and Computer Organization	3	25	75	100	3	4
		14UCT203	C.P.3 Object Oriented Programming with C++	4	25	75	100	3	4
		14UCT2CM	C.Pr.2 C++ Programming Lab	3	40	60	100	3	2
		12UCT2A2	Allied 2 – Operations Research	6	25	75	100	3	5
	IV	14VED201	Value Based Education ** (Moral and Ethics)	2	-	50	50	3	2
III	III	14UCT304	C.P.4 Operating Systems	5	25	75	100	3	4
		14UCT305	C.P.5 Data Structures and Analysis of Algorithms	5	25	75	100	3	4
		12UCT306	C.P.6 Java Programming	5	25	75	100	3	4
		14UCT3CN	C.Pr.3 Java Programming Lab	5	40	60	100	3	2
		14UCT3A3	Allied 3 - Microprocessors, PC Hardware & Interfacing	6	25	75	100	3	5
	IV	12UCT3S1	Skill Based Subject 1 - Computer Installation & Servicing	2	25	75	100	3	3
		13TBT301/ 13TAT301/ 12UHR3N1	Basic Tamil*/Advanced Tamil**/(or) Non Major Elective I **	2	-	75	75	3	2

IV	III	14UCT407	C.P.7 Relational Database Management Systems	5	25	75	100	3	4
		14UCT408	C.P.8 Visual Basic Programming	4	25	75	100	3	4
		14UCT409	C.P.9 Computer Networks	5	25	75	100	3	4
		14UCT4CO	C.Pr.4 Visual Basic and Oracle Lab	6	40	60	100	3	2
		14UCT4A4	Allied 4 – Business Accounting	6	25	75	100	3	5
	IV	14UCT4SL	Skill Based Subject 2 - Computer Installation & Servicing Lab	2	40	60	100	3	3
		13TBT402/ 13TAT402/ 12UWR4N2	Basic Tamil*/Advanced Tamil**/(or) Non Major Elective II**	2	-	75	75	3	2
V	III	14UCT510	C.P.10 Software Engineering and Testing	5	25	75	100	3	4
		12UCT511	C.P.11 Visual Basic .Net	6	25	75	100	3	5
		14UCT512	C.P.12 Data Mining and Warehousing	6	25	75	100	3	5
		14UCT5E1	Elective Paper - I	5	25	75	100	3	5
		12UCT5CP	C.Pr.5 Visual basic .NET Lab	6	40	60	100	3	2
	IV	14UCT5S2	Skill Based Subject 3 - Multimedia	2	25	75	100	3	3
		14UCT5SP	Summer Project	Grade ****					
VI	III	14UCT613	C.P.13 Web Programming	6	25	75	100	3	4
		14UCT614	C.P.14 Information Security	5	25	75	100	3	5
		14UCT6E2	Elective Paper - II	5	25	75	100	3	5
		14UCT6CQ	C.Pr.6 Web Programming Lab	6	40	60	100	3	2
		12UCT6Z1	Project Work & Viva – Voce***	6	20	80	100	3	6
	IV	14UCT6SM	Skill Based Subject 4 - Multimedia Lab	2	40	60	100	3	3
	V	14NCC/NSS /YRC/PYE1 01	Extension Activities*	-	50	-	50	-	1

* 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 paper 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 2014-2015 & ONWARDS]**

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam (hrs)	Credits
					CIA	ESE	Total		
I	I	14TML1A1	Language I@	6	25	75	100	3	3
	II	14ENG101	English -I	6	25	75	100	3	3
	III	14UIT101	Core I – Computing Fundamentals and C Programming	5	25	75	100	3	5
		14UIT1CL	Core Practical I – Programming Lab - C	5	40	60	100	3	2
		14UIT1A1	Allied I - Mathematical Foundations for Computer Science	6	25	75	100	3	5
	IV	14EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	14TML2A2	Language II@	6	25	75	100	3	3
	II	14ENG202	Language - English II	6	25	75	100	3	3
	III	14UIT202	Core II - Computer Organization and Architecture	4	25	75	100	3	4
		14UIT203	Core III - Object Oriented Programming with C++	3	25	75	100	3	5
		14UIT2CM	Core Practical II - Programming Lab -C++	3	40	60	100	3	2
		14UIT2A2	Allied II- Computer Oriented Numerical and Statistical Methods	6	25	75	100	3	5
	IV	14VED201	Value Education - Moral and Ethics **	2	-	50	50	3	2
III	III	14UIT304	Core IV –Data Structures and Algorithms	5	25	75	100	3	4
		14UIT305	Core V – Relational Database Management System and ORACLE	5	25	75	100	3	4
		14UIT306	Core VI – JAVA Programming	5	25	75	100	3	5
		14UIT3CN	Core Practical III - Programming Lab – JAVA & ORACLE	5	40	60	100	3	2
		14UIT3A3	Allied III - Business Accounting	6	25	75	100	3	5
	IV	14UIT3S1	Skill Based Subject1 - Multimedia (Photoshop & Pagemaker)	2	25	75	100	3	3

		14TBT301/ 14TAT301/ 14UHR3N1	Basic Tamil * / Advanced Tamil **/ Non-Major Elective – I ** (Human Rights)	2	-	75	75	3	2
IV	III	14UIT407	Core VII – Operating Systems	5	25	75	100	3	4
		14UIT408	Core VIII – Visual Programming	5	25	75	100	3	5
		14UIT409	Core IX – Principles of Data Communications and Network	5	25	75	100	3	4
		14UIT4CO	Core Practical IV – Programming Lab – VB & VB.Net	5	40	60	100	3	2
		14UIT4A4	Allied IV –Microprocessors, PC Hardware and Interfacing	6	25	75	100	3	5
	IV	14UIT4S2	Skill Based Subject 2 (Practical) Multimedia Lab (Photoshop & Pagemaker)	2	40	60	100	3	3
		14TBT402/ 14TAT402/ 14UWR4N2	Basic Tamil */ Advanced Tamil **/ Non-Major Elective – II ** (Women's Rights)	2	-	75	75	3	2
V	III	14UIT510	Core X– Client/Server Computing	6	25	75	100	3	4
		14UIT511	Core XI – Software Engineering	6	25	75	100	3	4
		14UIT512	Core XII – Mobile Communication	6	25	75	100	3	4
		14UIT5CP	Core Practical V – Software Testing Lab	5	40	60	100	3	2
		14UIT5E1	Major Elective I	5	25	75	100	3.	5
	IV	14UIT5S3	Skill Based Subject 3 Animation Techniques (Flash, CorelDraw & MovieMaker)	2	25	75	100	3	3
VI	III	14UIT613	Core XIII – Open Source Tools	5	25	75	100	3	5
		14UIT614	Core XIV - Information Security	6	25	75	100	3	4
		14UIT6CQ	Core Practical VI – Programming PHP	5	40	60	100	3	2
		14UIT6E2	Major Elective II	6	25	75	100	3	5
		14UIT6Z1	Project***	6	20	80	100	3	4
	IV	14UIT6S4	Skill Based Subject 4 (Practical) Animation Techniques Lab (Flash,CorelDraw & MovieMaker)	2	40	60	100	3	3
Part V		\$\$	Extension Activities *	-	50	-	50	-	1

@ Hindi/Malayalam/ French/ Sanskrit – 14HIN/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

Theory

Maximum 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 / 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 2014-2015 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	13TML1A1	Language I	6	25	75	100	3	3
	II	14ENG101	English -I	6	25	75	100	3	3
	III	13UCM101	Core 1 - Fundamentals of Financial Accounting	6	25	75	100	3	5
	III	13UCM102	Core 2 - Business Organisation	4	25	75	100	3	3
	III	13UCM1A1	Allied 1– Economic Analysis	6	25	75	100	3	5
	IV	14EVS101	Environmental Studies **	2	-	50	50	3	2
II	I	13TML2A2	Language II	6	25	75	100	3	3
	II	14ENG202	English –II	6	25	75	100	3	3
	III	14UCM203	Core 3 - Financial Accounting	6	25	75	100	3	5
	III	12UCM204	Core 4 - Banking Theory Law and Practice	4	25	75	100	3	3
	III	14UCM2A2	Allied 2- International Trade	6	25	75	100	3	5
	IV	14VED201	Value Education- Moral and Ethics **	2	-	50	50	3	2
III	III	13UCM305	Core 5 - Higher Financial Accounting	6	25	75	100	3	5
	III	13UCM306	Core 6 - Principles of Management	5	25	75	100	3	3
	III	12UCM307	Core 7 - Commercial Law	5	25	75	100	3	3
	III	14UCM308	Core 8 - Marketing	4	25	75	100	3	3
	III	14UCM3A3	Allied 3- Business Mathematics	6	25	75	100	3	5
	IV	14UCM3SL	Skill Based subject 1- Computer Applications (MS-Word and MS-Excel)- Practical –I	2	40	60	100	3	3
	IV	14TBT301/ 14TAT301/ 14UHR3N1	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**	2		75		3	2
IV	III	14UCM409	Core 9 - Corporate Accounting	6	25	75	100	3	5
	III	14UCM410	Core 10 -Company Law	5	25	75	100	3	3
	III	13UCM411	Core 11 - Financial Management	5	25	75	100	3	3
	III	13UCM412	Core 12 - Business Communication	4	25	75	100	3	3
	III	14UCM4A4	Allied 4- Business Statistics	6	25	75	100	3	5
	IV	14UCM4SM	Skill Based subject 2- Computer Applications (MS-Power point and MS-Access)- Practical –II	2	40	60	100	3	3
	IV	14TBT402/ 14TAT402/ 14UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**	2		75		3	2

V	III	14UCM513	Core 13 -Higher Corporate Accounting	6	25	75	100	3	5
	III	13UCM514	Core 14 - Cost Accounting	6	25	75	100	3	4
	III	13UCM515	Core 15 - Direct Tax	6	25	75	100	3	4
	III	14 UCM5CL	Core 16 – Practical -Practice Workshop*****	5	40	60	100	3	3
	III	14UCM5E1	Major Elective 1 -	5	25	75	100	3	5
	IV	14UCM5SN	Skill Based subject 3- Computer Applications (Tally & Internet)-Practical – III	2	40	60	100	3	3
	-	14UCM5IT	Internship Training	Grade*****					
VI	III	14UCM616	Core 17 -Management Accounting	5	25	75	100	3	4
	III	14UCM617	Core 18 - Indirect Tax	5	25	75	100	3	3
	III	14UCM618	Core 19 - Auditing	4	25	75	100	3	3
	III	14UCM619	Core 20 –Entrepreneurial Development	4	25	75	100	3	2
	III	14UCM6E2	Major Elective 2 -	4	25	75	100	3	5
	III	14UCM6Z1	Project ***	6	20	80	100	-	5
	IV	14UCM6SO	Skill Based subject 4- Computer Applications (Tally & Internet)-Practical – IV	2	40	60	100	3	3
	V	14NCC/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>

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 2014-15)

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 2014 – 2015)

**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 2014-2015 AND ONWARDS)

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	13TML1A1@	Lan - Tamil I/Hindi I/ French I / Malayalam I / Sanskrit I	6	25	75	100	3	3
	II	12ENG101	Lan - English I	6	25	75	100	3	3
	III	14UCC101	C. P. 1 - Principles of Accountancy	4	25	75	100	3	4
		14UCC102	C.P. 2 - Introduction to Information Technology	4	25	75	100	3	4
		14UCC1A1	ALLIED. A 1 - Business Mathematics	6	25	75	100	3	5
		14UCC1CL	C.Pr. 1 - Computer Applications I - MS Office	2	20	30	50	3	1
	IV	12EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	13TML2A2@	Lan - Tamil II/Hindi II/French II/ Malayalam II/Sanskrit II	6	25	75	100	3	3
	II	12ENG202	Lan - English II	6	25	75	100	3	3
	III	14UCC203	C.P. 3 - Financial Accounting	4	25	75	100	3	4
		14UCC204	C.P.4 - Indian Banking system	4	25	75	100	3	4
		12UCC2A2	ALLIED. B 1 - Business Statistics	6	25	75	100	3	5
		14UCC2CL	C. Pr.2 -Computer Applications II - Accounting Package Tally	2	20	30	50	3	1
	IV	13VED201	Value Education - Moral & Ethics**	2	-	50	50	3	2
III	I	14UCC305	C.P.5 - Cost Accounting	5	25	75	100	3	4
		14UCC306	C.P. 6 -Applied Taxation- I	5	25	75	100	3	4
		14UCC307	C.P. 7-Marketing	4	25	75	100	3	3
		14UCC308	C.P. 8 - Database Management Systems	4	25	75	100	3	3
	II	14UCC3A3	ALLIED.C 1 - Executive Business Communication	4	25	75	100	3	5
		14UCC3CM	C.Pr.3 -Computer Applications III - SQL	4	20	30	50	3	1
		14UCC3SI	Skill based subject 1 - Managerial Economics	2	25	75	100	3	3
		12HR301/ 12HR301/ 12HR301	Basic Tamil*/Advanced Tamil**/ Non major Elective-I** Human Rights	2	-	75	75	3	2

APPROVED BY THE ACADEMIC COUNCIL

Page No. XXIII Page No. UCC1 To UCC45

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IV	III	14UCC409	C.P. 9- Corporate Accounting	6	25	75	100	3	4
		14UCC410	C.P. 10- Applied Taxation- II	6	25	75	100	3	4
		14UCC411	C.P. 11-Object Oriented Programming with C++	5	25	75	100	3	4
		14UCC4A4	ALLIED.D 1 – Mercantile Law	5	25	75	100	3	5
		14UCC4CM	C.Pr.4 -Computer Applications IV - C++ Programming	4	20	30	50	3	1
	IV	14UCC4S2	Skill based subject 2 – Retail Business Management	2	25	75	100	3	3
		13TBT402/ 13TAT402/ 12UWR4N2	Basic Tamil*/Advanced Tamil**/ Non major Elective-II** Women rights	2	-	75	75	3	2
	III	14UCC512	C.P. 12- Principles of Auditing	4	25	75	100	3	4
		14UCC513	C.P.13- Management Accounting	5	25	75	100	3	4
		14UCC514	C.P.14- Financial Management	6	25	75	100	3	4
		14UCC515	C.P.15- Programming in Visual Basic	4	25	75	100	3	4
		14UCC5E1	Elective Paper –I	5	25	75	100	3	5
		14UCC5CN	C.Pr.5 - Computer Applications V – Visual Basic	4	20	30	50	3	1
VI	IV	14UCC5S3	Skilled based subject 3 – Human Resources Management	2	25	75	100	3	3
		14UCC5IT	Institutional Training				GRADE****		-
	III	14UCC616	C.P.16-Investment Management	6	25	75	100	3	4
		14UCC617	C.P.17- Internet and Web Designing	6	25	75	100	3	5
		14UCC6E2	Elective Paper – II	6	25	75	100	3	5
		14UCC6CN	C.Pr.6 - Computer Applications VI - HTML & Internet	4	20	30	50	3	1
		14UCC6Z1	Project Work & Viva-voce#	6	20	80	100	-	4
	IV	14UCC6S4	Skill based subject 4 - Cyber Law	2	25	75	100	3	3
	V	SS	Extension Activities - (NCC/NSS/Sports/YRC) *	-	50	-	50		1
TOTAL							3800		140

@ Hindi – 13HIN101/202 \$\$ NCC – 13NCC101
 @ French – 13FRN101/202 NSS – 13NSS101
 @ Malayalam – 13MLM101/202 Sports – 13PYE101
 @ Sanskrit – 13SAN101/202 YRC – 13YRC101

* 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.	Principles of Life Insurance
3.	Management Information System
4.	Industrial Law

List of Non-Major Electives:

1. Human Rights (12UHR3N1)

2. Women's Rights(12UWR4N2)

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

Tally Table:

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

Note:

CBCS – Choice Based Credit System LAN – Language

NCC – National Cadet Corps NSS – National Service Scheme

YRC – Youth Red Cross

CIA – Continuous Internal Assessment

ESE – End of Semester Examination

- 25% CIA is applicable to all theory 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/Seminar	-	5
Attendance	-	5
Total		25

2. Components of Practical

Break up marks for CIA of Practical

CIA Practical Exam	-	10
Observation Notebook	-	5
Attendance	-	5
Total		20

3. Components for Project

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

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

Instructions to be followed during the presentation of syllabi

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

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

Break up of mark for ESE Practical:

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

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

Question Paper Pattern:

Maximum External Marks – 75

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

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

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

KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)
COIMBATORE-641029

BUSINESS ADMINISTRATION WITH COMPUTER APPLICATIONS
Curriculum & Scheme of Examination under CBCS
APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR
2014-2015 onwards.

Semester	Part	Subject code	Title of the Paper	Instruction Hours/Cycle	Exam. Marks			Durations of Exam (Hours)\$	Credit
					CIA	ESE	Total		
I	I	13TML1A1	Language I- Tamil I/Hindi I/French I / Malayalam I/Sanskrit I	6	25	75	100	3.00	3
	II	14ENG101	English I	6	25	75	100	3.00	3
	III	13UBA101	C.P.1 Principles of Management and Organizational Behavior	5	25	75	100	3.00	4
		13UBA102	C.P.2 -Introduction to Information Technology	5	25	75	100	3.00	4
		13UBA1A1	Allied. A 1 -Mathematics for Management-I	6	25	75	100	3.00	5
	IV	12EVS101	Environmental Studies**	2	-	50	50	3.00	2
II	I	13TML2A2	Language II-Tamil II/Hindi II/French II/Malayalam II/Sanskrit II	6	25	75	100	3.00	3
	II	14ENG202	English II	6	25	75	100	3.00	3
	III	13UBA203	C.P.3- Principles of Financial Accounting	5	25	75	100	3.00	4
		15 UBA 204	C.P.4 -PC Software	3	25	75	100	3.00	4
		13 UBA2CL	C.Pr.1 -Programming Laboratory(PC Software)	2	40	60	100	3.00	2
		13 UBA2A2	Allied A 2 -Mathematics for Management – II	6	25	75	100	3.00	5
	IV	13VED201	Value Education- Model and Ethics**	2	-	50	50	3.00	2

III	III	13UBA305	C.P.5 -Marketing Management	5	25	75	100	3.00	4
		13UBA306	C.P.6 -Production and Material Management	5	25	75	100	3.00	4
		14UBA307	C.P.7 -Financial Management	5	25	75	100	3.00	4
		13UBA308	C.P.8 -Advertising and Sales Promotion	5	25	75	100	3.00	4
		13UBA3A3	Allied B1 -Business Economics	6	25	75	100	3.00	5
	IV	13UBA3S1	Skill Based Subject 1 -Business communication	2	25	75	100	3.00	3
		13TBT301 / 13TAT301 / 12UHR3N1	Basic Tamil**/Advanced Tamil**/Non Major elective**-Human Rights.	2	-	75	75	3.00	2
	IV	14UBA 409	C.P.9 -Human Resource Management	5	25	75	100	3.00	4
		14UBA410	C.P.10 -Global Business Management	6	25	75	100	3.00	4
		13UBA411	C.P.11 - Internet and Web Page Designing	4	25	75	100	3.00	4
		13UBA4CM	C.Pr.2 -Programming Laboratory(Internet and Web Page Designing	5	40	60	100	3.00	2
		13UBA4AL	Allied C.Pr.1 -Functional English for Executives	6	50	50	100	3.00	5
	IV	13UBA4S2	Skill Based Subject2 -Management Information System	2	25	75	100	3.00	3
		13TBT402 / 13TAT402 / 12UWR4N2	Basic Tamil*/ Advanced Tamil**/ Non major elective**- Women's Rights	2	-	75	75	3.00	2

V	III	13UBA512	C.P.12-Research Methods for Management	6	25	75	100	3.00	4
		14UBA513	C.P.13-Cost and Management Accounting	6	25	75	100	3.00	4
		13UBA514	C.P.14-RDBMS& ORACLE	6	25	75	100	3.00	4
		13UBA5CN	C.Pr.3-Programming Laboratory (RDBMS & ORACLE)	4	40	60	100	3.00	2
		13UBA51T	Institutional Training##	GRADE					
		14UBA 5E1	Elective Paper 1	6	25	75	100	3.00	5
	IV	14UBA5S3	Skill Based Subject 3- Indirect Taxation	2	25	75	100	3.00	3
VI	III	13UBA 615	C.P.15 – VISUAL BASIC	6	25	75	100	3.00	4
		14UBA616	C.P.16- Industrial Law	6	25	75	100	3.00	5
		13UBA6CO	C.Pr.5-Programming Laboratory (VISUAL BASIC)	4	40	60	100	3.00	2
		14UBA 6E2	Elective Paper 2	6	25	75	100	3.00	5
		13UBA6S4	Skill Based Subject 4- Marketing of Services	2	25	75	100	3.00	3
	IV	13UBA 6Z1	Project work & viva-voce***	6	20	80#	100	3.00	4
	V	\$\$	EXTENSION ACTIVITIES(NSS/NCC/Sports/YRC)*	-	50	-	50	-	1

\$\$ NCC-12NCC101,

@Hindi-12H1N101/202

French-12FRN101/202

Malayalam-12MLM101/202

Sanskrit-12SAN101/202

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/ Sports/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 Management.

Components for Project

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

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

**KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE-29****END SEMESTER EXAMINATIONS QUESTION PAPERS PATTERN**

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

Max Marks: 75

SECTION – A

10 X 1 = 10 Marks

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

SECTION – B

5 X 5 = 25 Marks

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

SECTION – C

5 x 8 = 40 Marks

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

KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]
COIMBATORE - 641 029
B.Sc Costume Design and Fashion
CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS
[APPLICABLE TO THE STUDENTS ADMITTED DURING THE
ACADEMIC YEAR 2014-2015 & ONWARDS]

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam.marks			Duration of Exam. (hours)	Credits
					CIA	ESE	Total		
I	I	13TML1A1	Lang-Tamil I @	6	25	75	100	3	3
	II	14ENG101	Lang - English I	6	25	75	100	3	3
	III	14UCD101	C.P.1 – Pattern making	5	25	75	100	3	4
		13UCD1CL	C.Pr.1– Basics of Apparel Designing	6	40	60	100	4	3
		13UCD1AL	Allied.Pr.1 Fashion Illustration	5	40	60	100	3	5
	IV	12EVS101	Environmental studies**	2	-	50	50	3	2
II	I	13TML2A2	Lang-Tamil II @	6	25	75	100	3	3
	II	14ENG202	Lang - English II	6	25	75	100	3	3
	III	14UCD202	C.P.2 – Fiber To Yarn	3	25	75	100	3	3
		14UCD203	C.P.3- Fashion Designing and Fashion Psychology	3	25	75	100	3	4
		13UCD2CM	C.Pr.2 – Apparel Designing-Kids Wear	5	40	60	100	4	3
		14UCD2AM	Allied. Pr.2. Surface Ornamentation	5	40	60	100	3	5
		14VED201	Value Based Education – Moral & ethics**	2	-	50	50	3	2
III	III	14UCD31T	£ 2 weeks Internship Training in garment unit	Grade					
		14UCD304	C.P.4– Weaving	5	25	75	100	3	4
		14UCD305	C.P.5 – Garment Production machineries	4	25	75	100	3	4
		13UCD3CN	C Pr.3 –Apparel Designing-Women's Wear	6	40	60	100	4	3
		13UCD3CO	C.Pr.4. Fashion Sketching	5	40	60	100	3	3
		14UCD3A1	Allied.P.1- Accounting and Export Management	6	25	75	100	3	5
	IV	12UCD3S1	<i>Skill based subject 1 – Introduction to Textile Testing</i>	2	25	75	100	3	3

		13TBT301/ 13TAT301/ 12UHR3N1	Basic Tamil* / Advanced Tamil** / Non Major Elective-I ** Human Rights	2		75		3	2
IV	III	14UCD406	C.P.6 - Knitting	4	25	75	100	3	4
		14UCD407	C.P. 7- Textile Processing	5	25	75	100	3	4
		13UCD4CP	C Pr. 5 -Textile Processing	5	40	60	100	3	3
		14UCD4CQ	C Pr.6 - Apparel Designing - Men's wear	6	40	60	100	4	4
		14UCD4A2	Allied P. 2 - Fundamentals of Research and Statistics	6	25	75	100	3	5
	IV	12UCD4SL	<i>Skill based subject 2 – Textile Testing I practical's</i>	2	40	60	100	3	3
		13TBT402/ 13TAT402/ 12UWR4N2	Basic Tamil* / Advanced Tamil** / Non Major Elective II** Women's Rights	2		75		3	2
V	III	14UCD5IT	£ 2 weeks internship training in garment unit	Grade					
		14UCD508	C.P.8- Historic Costumes of India	5	25	75	100	3	4
		14UCD509	C.P.9 – Fabric Care	5	25	75	100	3	4
		14UCD5CR	C.Pr. 7. Portfolio Presentation	7	40	60	100	4	4
		13UCD5CS	C.Pr.8 - Computer Aided Design I	6	40	60	100	4	3
		14UCD5E1	Major Elective I	5	25	75	100	3	5
	IV	12UCD5SM	<i>Skill based subject-3 Textile Testing II practical's</i>	2	40	60	100	3	3
VI	III	14UCD610	C.P.10. Organization of Garment Unit	6	25	75	100	3	4
		13UCD6CT	C.Pr.9. Computer Aided Design – II	6	40	60	100	4	3
		13UCD6CU	C.Pr.10 Home furnishing	5	40	60	100	3	4
		13UCD6Z1	Project & Viva Voce ***	6	20	80	100	-	5
		14UCD6E2	Major Elective II	5	25	75	100	3	5
	IV	14UCD6S2	<i>Skill Based subject 2 – Quality Inspection and Standards</i>	2	25	75	100	3	3
	V	14NCC/ NSS/YRC/ PYE101	Extension Activities*	-	50	-	50	-	1
			Total	180			3800		140

@ Hindhi / Malayalam/ French/ Sanskrit- 12HIN/MLM/FRN/SAN 101-202

- * No End-of-semester Examinations. Only Continuous Internal Assessment (CIA)
 ** No Continuous Internal Assessment (CIA). Only End-of-semester Examinations (ESE).
 *** Project record 60 marks; viva voce 20 marks.

Major elective papers

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

Non Woven & Technical Textiles
Global Fashion Market
Apparel Marketing & Merchandising
Fashion History
Visual Merchandising and Display

Non-major elective papers

- Human Rights
- Womens Rights

PART-WISE TOTAL MARKS:

S.No	Part	SUBJECT	MARKS	TOTAL MARKS	CREDITS
	I	Language – Tamil/Hindi/ Malayalam/ French /Sanskrit	200	200	6
	II	English	200	200	6
3.	III	Core – Theory/Practical / Project	2100	2700	77
		Allied	400		20
		Electives	200		10
	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
	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

- **Part Time Diploma Courses** offered by the department

1. Fashion Design

2. Garment Merchandising

3. Garment Manufacturing Technology

**MARKS SPLIT - UP FOR THEORY AND PRACTICALS
ESE AND CIA**

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	60
	Viva Voce	20
	Total External Marks	80
Total Marks(CIA+ESE)		100

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

Name of the Course - M.A.ENGLISH

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

(Applicable to students admitted from the academic year 2014-2015 onwards)

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

Semester	Subject Code	TITLE OF THE PAPER		Instruction Hrs./cycle	MARKS			Exam Duration (Hrs)	Credit Points
					CIA	ESE	Total		
IV	14PEL415	C.P.15	English Language Teaching	6	25	75	100	3	4
	14PEL416	C.P.16	General Essay	6	25	75	100	3	3
	14PEL417	C.P.17	Research Methodology	6	25	75	100	3	4
	14PEL4E2	ME II	Major Elective - II	6	25	75	100	3	5
	14PEL4Z1	C.P.18	Project and Viva Voce	6	20	80	100	3	4

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. Copy Writing
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 2014-2015 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.

COMPUTER PAPERS

Question Paper Pattern for Core Papers 14PEL209, 14PEL314

(Applicable to students admitted from the academic year 2014-2015 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 2014–2015 and onwards)

Semester	Subject code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam. Hrs.	Credit
				CIA	ESE	Total		
I	12PPH101	C.P 1- Classical Mechanics and Statistical Mechanics	5	25	75	100	3	5
	12PPH102	C.P 2- Mathematical Physics	5	25	75	100	3	4
	12PPH103	C.P 3- Solid State Physics	5	25	75	100	3	4
	14PPH1N1	IN1 – Non –Major Elective I : Energy Physics/ Industrial Physics	5	25	75	100	3	5
	12PPH2CL	C. Pr 1- General Experiments	5	-	-	-	-	-
	12PPH2CM	C. Pr 2- Electronics Experiments	5	-	-	-	-	-

II	14PPH204	C.P 4- Quantum Mechanics –I	4	25	75	100	3	4
	12PPH205	C.P 5- Electromagnetic theory and Electrodynamics	4	25	75	100	3	4
	14PPH206	C.P 6- Modern Optics	4	25	75	100	3	4
	12PPH207	C.P 7- Digital Electronics and Microprocessors	5	25	75	100	3	4
	14PPH2N2	2N2 – Non –Major Elective II: Characterization of Materials / Applied Physics	4	25	75	100	3	5
	12PPH2CL	C.Pr1 - General Experiments	5	40	60	100	4	4
	12PPH2CM	C. Pr 2 - Electronics Experiments	5	40	60	100	4	4

III	12PPH308	C.P 8- Quantum Mechanics-II	5	25	75	100	3	4
	12PPH309	C.P 9- Atomic & Molecular Spectroscopy	5	25	75	100	3	4
	14PPH310	C.P.10 Thin Film Physics, Plasma Physics and Crystal growth	5	25	75	100	3	4
	14PPH3E1	Major Elective I: Nano Science / Atmospheric Science	5	25	75	100	3	5
	12PPH4CN	C. Pr 3- Advanced Experiments	5	-	-	-	-	-
	12PPH4CO	C. Pr 4- Special Electronics Experiments	5	-	-	-	-	-
	12PPH411	C.P. 11 Bio-Medical Instrumentation	5	25	75	100	3	4

PPH2

IV	12PPH412	C.P 12- Nuclear and Particle Physics	5	25	75	100	3	4
	12PPH4N2	Major Elective II: Microwave Communication Physics / Information Storage materials and Devices	5	25	75	100	3	5
	12PPH4CN	C. Pr 3- Advanced Experiments	5	40	60	100	6	4
	12PPH4CO	C. Pr 4- Special Electronics Experiments	5	40	60	100	6	4
	12PPH4Z1	Project and Viva Voce	5	40	160	200	-	5
		Total				2200		90

Major Elective Papers

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

1. Nanoscience
2. Atmospheric Science
3. Microwave Communication Physics
4. Information Storage materials and Devices

Non - Major Elective papers

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

1. Energy Sources
2. Industrial Physics
3. Characterization of Materials
4. Applied 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

**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 2014 – 2015 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	14PCH101	C.P.-1- Organic Chemistry - I	6	25	75	100	3	5
	14PCH102	C.P. 2 - Inorganic Chemistry - I	6	25	75	100	3	5
	14PCH1N1	NME-1 Non-Major Elective - I	5	25	75	100	3	5
		C.Pr.1 - Organic Chemistry Practical - I	4	-	-	-	-	-
		C.Pr.2 - Inorganic Chemistry Practical-I	4	-	-	-	-	-
		C.Pr.3 - Physical Chemistry Practical - I	5	-	-	-	-	-
II	14PCH203	C.P. 3 - Organic Chemistry - II	6	25	75	100	3	5
	14PCH204	C.P. 4 - Physical Chemistry - I	6	25	75	100	3	5
	14PCH2N2	NME-2 Non-Major Elective - II	5	25	75	100	3	5
	12PCH2CL	C.Pr.1 - Organic Chemistry Practical - I	4	40	60	100	6	3
	12PCH2CM	C.Pr.2 - Inorganic Chemistry Practical-I	4	40	60	100	6	3
	12PCH2CN	C.Pr.3 - Physical Chemistry Practical - I	5	40	60	100	6	4
III	14PCH305	C.P. 5 - Inorganic Chemistry - II	5	25	75	100	3	4
	14PCH306	C.P. 6 - Physical Chemistry - II	5	25	75	100	3	4
	14PCH307	C.P. 7 - Spectroscopy	5	25	75	100	3	4
	14PCH3E1	ME-1 - Major Elective - I	5	25	75	100	3	5
		C.Pr.4 - Organic Chemistry Practical - II	3	-	-	-	-	-
		C.Pr.5 - Inorganic Chemistry Practical-II	3	-	-	-	-	-
		C.Pr.6 - Physical Chemistry Practical- II	4	-	-	-	-	-
		Project Work	5 [@]	-	-	-	-	-
IV	14PCH408	C.P.8 - Organic Chemistry - III	5	25	75	100	3	4
	14PCH409	C.P.9- Inorganic Chemistry-III	5	25	75	100	3	4
	14PCH410	C.P.10 - Physical Chemistry - III	5	25	75	100	3	4
	14PCH4E2	ME- 2 - Major Elective - II	5	25	75	100	3	5
	12PCH4CO	C.Pr.4 - Organic Chemistry Practical - II	3	40	60	100	6	3
	12PCH4CP	C.Pr.5 - Inorganic Chemistry Practical-II	3	40	60	100	6	3
	14PCH4CQ	C.Pr.6 - Physical Chemistry Practical- II	4	40	60	100	6	4
	12PCH4Z1	Project Work & Viva -Voce	5 [@]	40	160	200 [#]	-	6
Total						2200		90

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

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

Non-Major Electives papers**(2 papers are to be chosen from the following 4 papers)**

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

Abstract

S.No	Particulars of the Courses	No of courses	Marks	Credits	Total	
					Marks	Credits
01	Core				1800	70
	i. Theory	10	1000	44		
	ii. Practicals	06	600	20		
	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		
	12PCH0J1	JOC - Pharmaceutical Chemistry	4	-	100	100	3	2
ADVANCED LEARNER COURSES (UNDER SELF STUDY SCHEME)								
	14PCH0D1	ALC- 1 Chemistry of Corrosion and its Prevention	-	-	100	100	3	2
	12PCH0D2	ALC- 2 Medicinal Chemistry	-	-	100	100	3	2
	14PCH0D3	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.

Project work is carried out outside the college hours in semesters III and IV

JOC is conducted for 4 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 (2014-2015))**

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
I	13PB0101	C.P.1 - Plant diversity -I	6	25	75	100	3	4
	13PBO102	C.P.2 - Plant diversity – II	6	25	75	100	3	4
	13PBO103	C.P.3 - Developmental Biology	6	25	75	100	3	4
	13PBO1E1	Major EL.1 - Forest Resources and Utilization.	6	25	75	100	3	5
		C.Pr.1 - Plant Diversity - I, II. & Developmental biology	6					
II	14PBO204	C.P.4- Bioinformatics	6	25	75	100	3	5
	14PBO205	C.P.5 - Cytology, Genetics, Plant Breeding and Biostatistics.	6	25	75	100	3	4
	12PBO206	C.P.6 - Ecology, Bioenergetics and Natural Resource Management.	6	25	75	100	3	4
	14PBO2E2	Major EL. 2. Modern Methods of Plant analysis and Bioinstrumentation	6	25	75	100	3	5
	14PBO2CL	C.Pr.1- Plant diversity-I , II. & Developmental biology		40	60	100	4	4
	12PBO2CM	C.Pr.2 - Cytology, Genetics, Plant Breeding and Biostatistics, Ecology, Bioenergetics and Natural Resources Management.	4	40	60	100	4	4
	14PBO2CN	C.Pr.3 – Bioinformatics.	2	40	60	100	4	4
	14PBO2J1	JOC - Floriculture and Landscaping	-	-	-	-	-	-
III	13PBO307	C.P.7 - Taxonomy and Biosystematics	7	25	75	100	3	4
	13PBO308	C.P.8 - Biotechnology & Nanobiology	7	25	75	100	3	4
	14PBO309	C.P.9 – Pharmacognosy.	6	25	75	100	3	4
	13PBO3N1	Non major EL 1. 1-Horticulture	6	25	75	100	3	5
	12PBO3CO	C.Pr.4 – Taxonomy and Biosystematics, Biotechnology and Nanobiology.	4	40	60	100	4	4
IV	13PBO410	C.P.10 –Biochemistry & Biophysics.	7	25	75	100	3	4
	14PBO411	C.P.11 –Plant Physiology.	7	25	75	100	3	4
	14PBO4N2	Non major EL. 2 - Medicinal Plants.	6	25	75	100	3	5
	13PBO4CP	C.Pr.5 - Plant Physiology, Biochemistry& Biophysics.	4	40	60	100	4	3
	12PBO4Z1	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 Plant Analysis**
- 4. Food Science and Nutritions**

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	17	1800	70
	Major Elective Paper	2	200	10
	Non Major Elective Paper	2	200	10
	Grand Total	21	2200	90

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 2014 - 2015 onwards)

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
I	14PBT101	C.P.1 – Biochemistry	5	25	75	100	3	5
	14PBT102	C.P.2 – Biostatistics and Bioinstrumentation	5	25	75	100	3	5
	13PBT103	C.P.3 - Molecular Biology and Molecular Genetics	5	25	75	100	3	5
	14PBT104	C.P.4 – Microbiology	5	25	75	100	3	5
	14PBT1CL	C.Pr.1. Lab in Biochemistry and Bioinstrumentation	5	40	60	100	6	3
	14PBT1CM	C.Pr.2-Lab in Molecular Genetics and Microbiology	5	40	60	100	6	3
II	14PBT205	C.P.5 – Immunotechnology	5	25	75	100	3	5
	14PBT206	C.P.6 - Animal Biotechnology	5	25	75	100	3	4
	14PBT207	C.P.7 – Genetic Engineering	5	25	75	100	3	5
	14PBT310	C.P.8 – Nanobiotechnology and Intellectual Property Rights	5	25	75	100	3	4
	14PBT2CN	C.Pr.3 - Lab in Immunotechnology and Animal Biotechnology	5	40	60	100	6	3
	14PBT2CO	C.Pr.4- Lab in Molecular Biology and Genetic Engineering	5	40	60	100	6	3
III	14PBT308	C.P.9 - Bioprocess Technology	5	25	75	100	3	4
	14PBT309	C.P.10 - Plant Biotechnology	5	25	75	100	3	4
	14PBT411	C.P.11 – Genomics and Proteomics	5	25	75	100	3	4
	14PBT3CP	C.Pr.5-Lab in Bioprocess Technology and Plant Biotechnology	5	40	60	100	6	3
	14PBT3E1	Major Elective I	5	25	75	100	3	5
	12PBT3N1	Non-Major Elective I – (On-line)	5	25	75	100	3	5
IV	12PBT4N2	Non-Major Elective II - (On-line)	5	25	75	100	3	5
	14PBT4Z1	Project Work *	20	40	160*	200	3	5
	14PBT4E2	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. Computational Biology
2. Environmental Biotechnology
3. Entrepreneurship, Bioethics, Biosafety and Research methodology
4. 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. Communication and Soft skills

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		
12PBT D1	ALC.1- Frontier Technologies in Biosciences	100	100	3	2
12PBT 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 Practicals
- 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 (12PBT0J1)
2. JOC 2 – Herbal Biotechnology (12PBT0J2)

Note: JOC and ALC which are offered at present will be applicable for the students admitted during the academic year 2012-2013 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 2014-2015 AND ONWARDS]

Semester	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
				CIA	ESE	Total		
I	13PCS101	C.P.1 Parallel Processing	4	25	75	100	3	4
	13PCS102	C.P.2 Data Structures using C++	4	25	75	100	3	4
	13PCS103	C.P.3 Data Communications and Networks	4	25	75	100	3	4
	14PCS104	C.P.4 Information Security	4	25	75	100	3	4
	13PCS105	C.P.5 Relational Database Management Systems	4	25	75	100	3	4
	13PCS1CL	C.Pr.1 Data Structures using C++ Lab	5	40	60	100	3	4
	13PCS1CM	C.Pr.2 RDBMS Lab	5	40	60	100	3	4
II	13PCS206	C.P.6 Advanced Java Programming	4	25	75	100	3	4
	13PCS 207	C.P.7 Wireless Networks	4	25	75	100	3	4
	12PCS 208	C.P.8 .NET Framework	4	25	75	100	3	4
	14PCS 209	C.P.9 Software Project Management	4	25	75	100	3	4
	14PCS2E1	Elective Paper – I	4	25	75	100	3	4
	13PCS2CN	C.Pr.3 Advanced Java Lab	5	40	60	100	3	4
	13PCS2CO	C.Pr.4 .NET Lab	5	40	60	100	3	4
III	13PCS 310	C.P.10 Open Source Systems	4	25	75	100	3	4
	13PCS 311	C.P.11 Data Mining and Warehousing	4	25	75	100	3	4
	13PCS 312	C.P.12 Software Testing	4	25	75	100	3	4
	13PCS 3Z1	Mini Project	4	20	80*	100	3	4
	14PCS 3E2	Elective Paper - II	4	25	75	100	3	4
	13PCS3CP	C.Pr.5 Open Source Lab	5	40	60	100	3	4
	13PCS3CQ	C.Pr.6 Software Testing Lab	5	40	60	100	3	4

IV	13PCS4Z2	Project and Viva-Voce	30	40	160**	200	3	6
TOTAL			2300				90	

*Project Record – 60 and Viva-Voce – 20

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

TALLY TABLE

Subject Groups	Total Marks	Total Credits
Core Theory/Practicals	1800	72
Electives	200	8
Mini Project	100	4
Project	200	6
	2300	90

List of Electives:

1. Computational Intelligence
2. Digital Image Processing
3. Extreme Programming
4. Network Security And Cryptography
5. Natural Language Processing
6. Grid and Cloud Computing
7. Agent Based Computing
8. Enterprise Web Services
9. Distributed Systems

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

Subject Code	Title of the Paper	Instruction Hours/Cycle	Exam Marks			Duration of the Exam.(Hours)	Credits
			CIA	ESE	TOTAL		
14PCS0D1	ALC.1 Programming in C#	-	-	100	100	3	4
12PCS0D2	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 2014-2015 onwards)

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

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. Share Trading Operations

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 - Industrial Relations and Labour Law	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	ESE 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- Investment Management	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	-	-	25
	Algorithm	5	5	10
	Observation Note Book	-	-	5
	Total Internal Marks	-	-	40
ESE	Practical	15	15	30
	Algorithm	5	5	10
	Record			20
	Total External Marks			60
Total Marks (CIA + ESE)		-	-	100

Component for Project

CIA/ESE	Components	Marks
CIA	Project Review	30
	Regularity	10
	Total Internal Marks	40
ESE	Project Report	120
	Viva voce	40
	Total External Marks	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 4 = 20 Marks

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

SECTION – C

3 x 15 = 45 Marks

Q.No. 16 to 20: **Answer any three out of five questions.**

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 [MSc. CT]

Curriculum and scheme of Examination under CBCS

[Applicable to students Admitted from the Academic Year 2014-2015 onwards]

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam(hours)	Credits
					CIA	ESE	Total		
I	I	14PCT101	C.P.1 Data Structures and Algorithms	4	25	75	100	3	4
		12PCT102	C.P.2 Advanced Computer Organization and Architecture	4	25	75	100	3	5
		12PCT103	C.P.3 Advanced Java	4	25	75	100	3	4
		14PCT104	C.P.4 Relational Database Management system	4	25	75	100	3	5
		14PCT105	C.P.5 Advanced Operating Systems	4	25	75	100	3	5
		12PCT1CL	C.Pr.1 Advanced Java Programming Lab	5	40	60	100	3	2
		12PCT1CM	C.Pr.2 Relational Database Management system Lab	5	40	60	100	3	2
II	I	14PCT206	C.P.6 Multimedia	4	25	75	100	3	4
		12PCT207	C.P.7 Data communication & Networking	4	25	75	100	3	5
		12PCT208	C.P.8 .Net Technologies	4	25	75	100	3	4
		14PCT209	C.P.9 Data Mining and Warehousing	4	25	75	100	3	5
		14PCT210	C.P.10 Software Project Management	4	25	75	100	3	5
		12PCT2CN	C.Pr.3 Multimedia Lab	5	20	30	50	3	2
		12PCT2CO	C.Pr.4 .Net Technologies Lab	5	40	60	100	3	2
III	I	14PCT311	C.P.11 Software Testing	4	25	75	100	3	5
		14PCT312	C.P.12 Web Designing	4	25	75	100	3	5
		14PCT313	C.P.13 Mobile Computing	4	25	75	100	3	4
		14PCT3E1	Elective Paper - I	4	25	75	100	3	5
		14PCT3E2	Elective Paper - II	4	25	75	100	3	5
		14PCT3CP	C.Pr.5 Software Testing Lab	5	20	30	50	3	2
		12PCT3CQ	C.Pr.6 Web Designing Lab	5	40	60	100	3	2
		14PCT3SP	Summer Project	Grade **					
IV	I	12PCT4Z1	Project and Viva-Voce	30	40	160*	200	3	8
			Total				2200		90

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		
14PCT0D1	ALC.1 Programming in C#	-	-	100	100	3	2
12PCT0D2	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

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

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