KONGUNADU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

COIMBATORE – 641 029

Prospectus with number of Courses in all Programs for the Academic Year 2016-2017

CURRICULUM AND SCHEME OF EXAMINATIONS (CBCS)

(2016 – 2017)

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 2016-2017 onwards)

Model Scheme of Examinations (With 4 Semesters Language Papers)

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

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

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

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

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

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

Major Elective Papers

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

1. **English for Competitive Examinations**

2. **Children's Literature**

3. **Indian Feministic Literature**

4. **Intensive Study of an Author**

5. **Classical Literature in Translation**

6. **Ethics in Literature**

Non-Major Elective Papers

1. **Human Rights**

2. **Women's Rights**

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

Tally Table:

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

Note :

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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

COIMBATORE – 641 029

B.Sc. MATHEMATICS

Curriculum & Scheme of Examination under CBCS

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2016-2017 & ONWARDS)

Semester	Subject Code/ Question Paper Code	Part		Title of the Paper	Instruction Hours	Exam. Marks			$ Duration of Exam.	Credits
						CIA	ESE	Total		
I	16TML101 @	I	LAN	Tamil I/ Hindi I / Malayalam I/ French I /Sanskrit I	6	25	75	100	3	3
	15ENG101	II	LAN	English I	6	25	75	100	3	3
	15UMA101	III	CP 1	Classical Algebra	4	25	75	100	3	4
	15UMA102	III	CP 2	Calculus	5	25	75	100	3	4
	16UMA1I1	III	AP A1	Statistics I	7	25	75	100	3	5
	15EVS101	IV	EVS	Environmental Studies**	2	-	50	50	3	2
II	15 TML202 @	I	LAN	Tamil II/ Hindi II / Malayalam II/ French II/Sanskrit II	6	25	75	100	3	3
	15ENG202	II	LAN	English II	6	25	75	100	3	3
	15UMA203	III	CP 3	Differential Equations and Laplace Transforms	4	25	75	100	3	4
	15UMA204	III	CP 4	Trigonometry, Vector calculus and Fourier Series	5	25	75	100	3	4
	16UMA2I2	III	AP A2	Statistics II	7	25	75	100	3	5
	15VED201	IV	VED	Value Education -Moral and Ethics**	2	-	50	50	3	2
III	15TML303 @	I	LAN	Tamil III/ Hindi III / Malayalam III/ French III/ Sanskrit III	6	25	75	100	3	3
	15ENG303	II	LAN	English III	6	25	75	100	3	3
	15UMA305	III	CP 5	Analytical Geometry	4	25	75	100	3	4
	15UMA306	III	CP 6	Statics	3	25	75	100	3	4
	15UPH3A1	III	AP B1	Physics I Theory	5	20	55	75	3	4
	-	III	APr 1	Physics I Practical	2	-	-	-	-	-
	15UGA3S1	IV	SBS 1	General Awareness (online)	2	25	75	100	3	3
	15TBT301 / 15TAT301/ 15UHR3N1		NMEP 1	Basic Tamil * / Advanced Tamil **/ Non - Major Elective Paper- I ** Human Rights	2	-	75	75	3	2

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

@ Hindi -15HIN101/202/303/404 $$ NCC – 15NCC101

French -15FRN101/202/303/404   NSS – 15NSS101

Malayalam -15MLM101/202/303/404   Sports – 15PYE101

Sanskrit -15SAN101/202/303/404   YRC – 15YRC101

$ 3 = 3 hours

*   No End of semester examinations. Only CIA

**   No CIA. Only End of semester examinations

Tally Table

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

MAJOR ELECTIVE PAPERS

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

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

NON-MAJOR ELECTIVE PAPERS

1. Human Rights
2. Women's Rights

<u>Note</u>

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.

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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 2016-2017 ONWARDS)

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

IV		I	15TML404@	**LAN–** Tamil IV/Hindi IV/ French IV / Malayalam IV / Sanskrit IV	6	25	75	100	3	3
		II	15ENG404	**LAN** – English IV	6	25	75	100	3	3
	III		15UPH404	**C.P.4** – Electricity and Magnetism	4	25	75	100	3	5
			15UPH4CM	**C.Pr.2** – Practical II	3	40	60	100	3	2
			15UCH4A4	**Allied Subject II** Chemistry –II	4	20	55	75	3	4
			15UCH4AL	**Allied Practical** Chemistry Practical	3	20	30	50	3	2
	IV		15UPH4S2	**Skill based Subject –2** Medical Instrumentation	2	25	75	100	3	3
			15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil∗ / Advanced Tamil∗∗ / Non Major Elective- II∗∗	2	-	75	75	3	2
V	III		15UPH505	**C.P.5** – Astrophysics	4	25	75	100	3	4
			15UPH506	**C.P.6** – Optics and Laser Physics	4	25	75	100	3	4
			15UPH507	**C.P.7** – Principles of Electronic Devices and Circuits	4	25	75	100	3	4
			15UPH508	**C.P.8** – Quantum Mechanics and relativity	4	25	75	100	3	5
			16UPH5E1	Major Elective Paper – I **Principles of Communication Systems /** Mathematical Physics	4	25	75	100	3	5
			15UPH6CN	**C.Pr.3**– Practical III - General	3	-	-	-	-	-
			15UPH6CO	**C.Pr.4**– Practical IV - Electronics , Digital Electronics and Microprocessors	2	-	-	-	-	-
			15UPH6CP	**C.Pr.5**– Practical V - Programming in C	2	-	-	-	-	-
	IV		15UPH5S3	**Skill Based Subject 3 -** Programming in C	3	25	75	100	3	3
VI	III		15UPH609	**C.P.9** – Atomic and Solid State Physics	4	25	75	100	3	4
			15UPH610	**C.P.10**– Fundamentals of Digital Electronics	4	25	75	100	3	4
			15UPH611	**C.P.11**– Nuclear Physics	4	25	75	100	3	5
			16UPH6E2	Major Elective Paper - II **Energy Sources and Nanoscience /** Object oriented programming in C++	4	25	75	100	3	5
			15UPH6E3	Major Elective Paper - III **Electronic Instrumentation /** Introduction to Biophysics	4	25	75	100	3	5

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UPH3

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

@ Malayalam   – 15MLM 101 - 404
@ Hindi/ French/ Sanskrit – 15HIN/FRN/SAN 101 - 404

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

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

Non - Major Elective papers
1. Human Rights
2. Women's Rights

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

Tally Table

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

Note:

- CBCS– CHOICE BASED CREDIT SYSTEM
- CIA– CONTINOUS INTERNAL ASSESMENT
- ESE–END OF SEMESTER EXAMINATION

1. **Break up Marks for CIA of Theory**

CIA Exam	-	15
Assignment	-	5
Attendance	-	5

Total		25
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2. **Components of Practical :**

Break up Marks for CIA of Practical

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

Total		40

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10

Total		60

Question Paper Pattern for CIA and ESE

Theory

Maximum Marks 75

Section A (10 x 1 = 10 marks)

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

Section B (5x 5 =25 marks)

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

Section C (5x 8 =40 marks)

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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)

Coimbatore – 641 029

B.Sc., CHEMISTRY

Curriculum and Scheme of Examination under CBCS

(Applicable to the Students Admitted during the Academic Year 2016- 2017 and onwards)

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

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

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V		15UCH508	Core Chemistry Paper –VIII Physical Chemistry - 1	4	25	75	100	3	4
		15UCH5E1	Major Elective 1	3	25	75	100	3	5
		15UCH6CN	Core Chemistry Practical –III Gravimetric Analysis	3	-	-	-	-	-
		15UCH6CO	Core Chemistry Practical–IV Physical Chemistry Experiments	4	-	-	-	-	-
		15UCH6CP	Core Chemistry Practical –V Application Oriented practicals	3	-	-	-	-	-
	IV	15UCH5S3	Skill Based Subject-3 Chemical Industry	2	25	75	100	3	3
VI	III	15UCH609	Core Chemistry Paper-IX Inorganic Chemistry - 2	4	25	75	100	3	4
		15UCH610	Core Chemistry Paper-X Chemistry of natural products and chemotherapy	4	25	75	100	3	4
		15UCH611	Core Chemistry Paper-XI Physical Chemistry - 2	4	25	75	100	3	4
		15UCH6E2	Major Elective – 2	3	25	75	100	3	5
		15UCH6E3	Major Elective - 3	3	25	75	100	3	5
		15UCH6CN	Core Chemistry Practical –III Gravimetric Analysis	3	40	60	100	3	3
		15UCH6CO	Core Chemistry Practical–IV Physical Chemistry Experiments	3	40	60	100	3	3
		15UCH6CP	Core Chemistry Practical –V Application Oriented practicals	4	40	60	100	3	4
	IV	15UCH6S4	Skill Based Subject- 4 Food chemistry	2	25	75	100	3	3
	V	15NCC/NSS/YRC/ PYE101	Extension Activities *	-	50	-	50	-	1

@ Hindi/Malayalam/French/Sanskrit – 15HIN/15MLN/15FRN/15SAN101 – 404.

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

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

MAJOR ELECTIVE PAPERS

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

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

TALLY TABLE

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

Note :

CBCS - Choice Based Credit System

CIA - Continuous Internal Assessment

ESE - End of Semester Examinations

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

JOC - Textile chemistry

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MARK DISTRIBUTION

I. THEORY PAPERS- INTERNAL (25 Marks)

CIA Examination	15
Assignment	5
Attendance	5
Total	**25**

II. PRACTICAL PAPERS - INTERNAL (40 Marks)

CIA-Examination	25
Observation	10
Attendance	05
Total	**40**

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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE - 641 029
B.Sc., BOTANY
Curriculum & Scheme of Examination under CBCS
(APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR (2016-2017)

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

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

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

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

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

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

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

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

Major Elective Papers

(2 papers are to be chosen from the following 6 papers)
1. Forestry
2. Medicinal plants
3. Food science
4. Seed biology
5. Biotechnology
6. Pharmacognosy

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

List of Extra Departmental Course (EDC) papers

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

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

Tally Table:

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

Note :

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

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

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

Curriculum and scheme of Examination under CBCS

(Applicable to students Admitted from the Academic Year **2016 - 2017** onwards)

Scheme of Examinations (With 4 Sem Language Papers)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
					CIA	ESE	TOTAL		
I	I	16TML101	Language I@	6	25	75	100	3	3
	II	15ENG101	English –I	6	25	75	100	3	3
	III	15UZO101	Core 1–Non-Chordata	7	25	75	100	3	5
	III	15UZO1I1 15UBO1A1	Allied 1- Sericulture I / Botany I	5	20	55	75	3	4
			C.Pr. 1- Non Chordata and Chordata	2	-	-	-	-	-
			Allied Pr. 1. Sericulture	2	-	-	-	-	-
	IV	15EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	15TML202	Language II@	6	25	75	100	3	3
	II	15ENG202	English –II	6	25	75	100	3	3
	III	15UZO202	Core 2–Chordata	7	25	75	100	3	5
	III	15UZO2I2 15UBO2A2	Allied 2- Sericulture II / Botany II	5	20	55	75	3	4
		15UZO2CL	C.Pr. 1- Non Chordata and Chordata (Based on core subjects I & II semesters)	2	40	60	100	3	2
		15UZO2IL 15UBO2AL	Allied Pr. 1. Sericulture / Botany	2	20	30	50	3	2
	IV	15VED201	Value Education- Moral and Ethics **	2	-	50	50	3	2
III	I	15TML303	Language III@	6	25	75	100	3	3
	II	15ENG303	English –III	6	25	75	100	3	3
	III	15UZO303	Core 3– Physiology	5	25	75	100	3	5
	III	15UBC 3A3	Allied 3- Biochemistry	5	20	55	75	3	4
			C.Pr. 2- Physiology and Cell Biology	2	-	-	-	-	-
			Allied Pr. 2. Biochemistry	2	-	-	-	-	-
	IV	15UGA3S1	Skill Based subject 1- General Awareness	2	25	75	100	3	3
	IV	15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I**- Human	2	-	75	75	3	2

			rights						
IV	I	16TML404	Language IV@	6	25	75	100	3	3
	II	16ENG404	English –IV	6	25	75	100	3	3
	III	15UZO404	Core 4– Cell Biology	5	25	75	100	3	5
	III	15UBC4A4	Allied 4- Biochemistry	5	20	55	75	3	4
		15UZO4CM	C.Pr. 2- Physiology and Cell Biology	2	40	60	100	3	2
		15UBC4AL	Allied Pr. 2. Biochemistry	2	20	30	50	3	2
	IV	15UZO4S2	Skill Based subject 2- Health education	2	25	75	100	3	3
	IV	15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II**- Women's rights	2	-	75	75	3	2
V	III	15UZO505	Core 5- Genetics	5	25	75	100	3	4
	III	15UZO506	Core 6-Biotechnology-I	5	25	75	100	3	4
	III	**16UZO507**	**Core 7–Ecology**	**5**	**25**	**75**	**100**	**3**	**4**
	III	**16UZO508**	**Core 8–Biostatistics, Biophysics and Bioinformatics**	**5**	**25**	**75**	**100**	**3**	**4**
			C.Pr.3: based on CP 5,7,8,11,12	2	-	-	-	-	-
			C.Pr.4: Based on CP 6,9,10	2	-	-	-	-	-
	III	15UZO5E1	Major Elective -1	4	25	75	100	3	5
	IV	**16UBC/UBT /UBO – 5X1**	**EDC-Extra Departmental Course**	**2**	**25**	**75**	**100**	**3**	**3**
		15UZO5IT	**Internship**						**Grade**
VI	III	15 UZO609	Core 9 –Microbiology and Immunology	4	25	75	100	3	4
	III	15 UZO610	Core 10 - Biotechnology-II	5	25	75	100	3	4
	III	15 UZO611	Core 11 –Developmental Biology	5	25	75	100	3	4
	III	**16 UZO612**	**Core 12 – Animal diversity**	**4**	**25**	**75**	**100**	**3**	**4**
		15UZO 6CN	C.Pr.3: based on CP 5,7,8,11,12	2	40	60	100	3	2
		15UZO 6CO	C.Pr.4: based on CP 6,9,10	2	40	60	100	3	2
	III	15UZO6E2	Major Elective 2	3	25	75	100	3	5
	III	15UZO6Z1	**Project**	**3**	**20**	**80**	**100**	**3**	**5**
	IV	15UZO6S4	Skill Based subject-4 Commercial fish culture	2	25	75	100	3	3
	V	15NCC/NSS/ YRC/ PYE101	Extension Activities*	-	50	-	50	-	1

			Total	180			3800		140

@ 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 alone with the internal viva voce by the respective faculty. According to their, the grades will be awarded as given below.

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

Major Elective Papers

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

1. Economic Zoology

2. Pest & their Management

3. Vermitechnology

4. Wild life conservation & Management

5. Poultry science & management

6. Human genetics &Counselling

Non-Major Elective Papers

1. Human Rights

2. Women's Rights

Extra Departmental Course (EDC)

1. Diagnostic Biochemistry –Biochemistry Department

2. **Medicinal botany and Human Welfare-Botany Department**

3. **Molecular Diagnostics- Biotechnology Department**

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

Tally Table:

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

.
Note:

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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

Re-accredited by NAAC with 'A' Grade Status – 3.64CGPA (3rd cycle)
College with Potential for Excellence (UGC), Star College (DBT)
Coimbatore - 641029.Tamil Nadu, India.

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

(Applicable to Students Admitted for the Academic Year 2016-2017)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks CIA	Exam. Marks ESE	Exam. Marks TOTAL	Duration of Exam (hours)	Credits
I	I	15TML101	Language I@	6	25	75	100	3	3
	II	15ENG101	English –I	6	25	75	100	3	3
	III	15UBC101	C.P.1 Chemistry of Biomolecules	7	25	75	100	3	6
		15UBC2CL	C. Pr. I - Biochemistry	2	-	-	-	-	-
		15UZO1A1	Allied A1- Zoology I	5	20	55	75	3	4
		15UZO2AL	A. Pr. 1 Zoology	2	-	-	-	-	-
	IV	15EVS101	Environmental Studies**	2	-	50	50	3	2
II	I	15TML202	Language II@	6	25	75	100	3	3
	II	15ENG202	English –II	6	25	75	100	3	3
	III	16UBC202	C.P.2 Bioanalytical Techniques	7	25	75	100	3	6
		15UBC2CL	C.Pr. 1 Biochemistry	2	40	60	100	3	2
		15UZO2A2	Allied A. 2 Zoology II	5	20	55	75	3	4
		15UZO2AL	A. Pr. 1 Zoology	2	20	30	50	3	2
	IV	15VED201	Value Education- Moral and Ethics**	2.	-	50	50	3	2
III	I	15TML303	Language III@	6	25	75	100	3	3
	II	15ENG303	English –III	6	25	75	100	3	3
	III	16UBC303	C. P. 3 – Enzymes and Enzyme Technology	4	25	75	100	3	5
		16UBC4CM	C.Pr. 2 Biochemistry	3	-	-	-	-	-
		15UCH3A9	Allied B. 1. Chemistry I	5	20	55	75	3	4
		15UCH4AL	A.Pr.2 Chemistry	2	-	-	-	-	-
		15UGA3S1	Skill Based Subject 1- General Awareness	2	25	75	100	3	3
	IV	15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* Advanced Tamil** (OR) Non-Major Elective- I**	2	75		75	3	2
IV	I	15TML404	Language IV@	6	25	75	100	3	3
	II	15ENG404	English –IV	6	25	75	100	3	3
	III	16UBC404	C. P. 4 Intermediary Metabolism	4	25	75	100	3	4
		16UBC4CM	C. Pr.2. Biochemistry	3	40	60	100	3	2
		15UCH4A2	Allied B.2 Chemistry II	5	20	55	75	3	4
		15UCH4AL	A. Pr.2. Chemistry	2	20	30	50	3	2

	IV	15UBC4S2	Skill Based Subject 2- Common Human Diseases	2	25	75	100	3	3
		15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil*/ Advanced Tamil** (OR) Non-Major Elective- II**	2	75		75	3	2
V	III	16UBC505	C.P.5 Human Physiology	4	25	75	100	3	4
		16UBC506	C.P.6 Cell Biology	4	25	75	100	3	4
		16UBC507	C.P.7 Clinical Biochemistry	4	25	75	100	3	4
		16UBC508	C.P.8 Molecular Biology	4	25	75	100	3	4
	III	15UBC5E1	Major Elective I	4	25	75	100	3	5
	III	16UBC6CN	C.Pr.3. Biochemistry	4	-	-	-	-	-
		16UBC6CO	C.Pr.4. Biochemistry	2	-	-	-	-	-
		16UBC6CP	C.Pr.5. Biochemistry	2	-	-	-	-	-
	IV	16UXBO/ ZO/BT	Extra Departmental course-1 Diagnostic Biochemistry	2	25	75	100	3	3
	-	15UBC5IT	Internship Training	Grade ****					
VI	III	16UBC609	C.P.9 Plant Biochemistry and Therapeutics	4	25	75	100	3	4
		16UBC610	C.P.10 Immunology and Immuno Techniques	4	25	75	100	3	4
		16UBC611	C.P.11 Genetic Technology	4	25	75	100	3	4
	III	16UBC6E2	Major Elective II -	4	25	75	100	3	5
		15UBC6Z1	Project ***	4	20	80	100	-	5
	III	16UBC6CN	C.Pr.3. Biochemistry	4	40	60	100	6	3
		16UBC6CO	C.Pr.4. Biochemistry	2	40	60	100	4	2
		16UBC6CP	C.Pr.5. Biochemistry	2	40	60	100	4	2
	IV	15UBC6S4	Skill Based Subject 4- Techniques in Genomics and Proteomics	2	25	75	100	3	3
	V	15NCC / NSS / YRC / PYE101	Extension Activities*	-	50	-	50	-	1
		Total		180			3800		140

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

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

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

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

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

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

Major Elective Papers

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

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

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

Tally Table:

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

Note :

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End of Semester Examinations

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

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

B.Sc. BIOTECHNOLOGY
Curriculum & Scheme of Examination under CBCS
(Applicable to Students Admitted from the Academic Year 2016-2017 onwards)

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

	IV	15UBT4S2	Skill Based Subject: 2 – Human Anatomy and Physiology	2	25	75	100	3	3
		16UWR4N2* 16TBT401** 16TAT402*	Non Major Elective – II* - Women's Rights /Basic Tamil /Advanced Tamil	2	-	75	75	3	2
V	III	16UBT506	C.P.6- Immunology	4	25	75	100	3	4
		16UBT507	C.P.7- Molecular Biology	5	25	75	100	3	4
		15UBT508	C.P.8- Recombinant DNA Technology	5	25	75	100	3	4
		16UBT509	C.P.9 - Animal Biotechnology	5	25	75	100	3	4
		15UBT5CN	C.Pr.3 - Molecular biology, Immunology Recombinant DNA Technology and Animal Biotechnology	4	40	60	100	4	3
		16UBT5E1	Major Elective - I	5	25	75	100	3	5
	IV	16UBO5X1 16UBC5X1 16UZO5X1	Extra Departmental Course (EDC) - 1	2	25	75	100	3	3
		16UBT5ST	Summer Training @@						
VI	III	15UBT610	C.P.10 - Bioprocess technology	5	25	75	100	3	4
		15UBT611	C.P.11 - Plant Biotechnology	5	25	75	100	3	4
		15UBT612	C. P. 12–Genomics, Proteomics and Bioinformatics	5	25	75	100	3	4
		15UBT6CO	C.Pr.4-Bioprocess technology, Plant Biotechnology and Bioinformatics	4	40	60	100	4	3
		15UBT6Z1	Project***	4	20	80	100	3	3
		16UBT6E2	Major Elective - II	5	25	75	100	3	5
	IV	16UBT6S3	Skill Based Subject: 3 - Infectious Diseases, Diagnostics and Health Management	2	25	75	100	3	3
	V	15NSS101/ 15NCC101/ 15PYE101/ 15YRC101#	Extension Activities**	-	50	-	50	-	1
Total				**180**			**3800**		**140**

@ Hindi/Malayalam/French/Sanskrit-15HIN/MLM/FRN/SAN101 - 404
*No Continuous Internal Assessment. Only End of Semester Examinations (ESE)
** No End of Semester Examinations. Only Continuous Internal Assessment (CIA)
*** Project Report – 60 marks; Viva voce-20 marks; Internal – 20 marks; Group Project
CBCS – Choice Based Credit system; CIA – Continuous Internal Assessment; ESE – End of Semester Exam.

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. Biodiversity and Environmental Biotechnology

4. Medical Biotechnology

Non - Major Elective Papers

1. Human Rights

2. Women's Rights

Skill Based Subject

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

Extra Departmental Courses (EDC)

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

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

Tally Table:

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

Note:

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

Job Oriented Courses (JOC)

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

Note: JOC which are offered at present will be applicable for the students admitted during the academic year 2016-2017 and will be considered as extra credit courses.

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

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

1. **Break up Marks for CIA of Theory**

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

2. **Components of Practical:**

Break up Marks for CIA of Practical

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

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
Total	-	60

3. **Component for Project:**

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

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

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

B.Sc. COMPUTER SCIENCE

Curriculum and Scheme of Examination under CBCS

(APPLICABLE TO STUDENTS ADMITTED DURING THE ACADEMIC YEAR 2016-2017 & Onwards)

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

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

@ Hindi/Malayalam/French/Sanskrit-12HIN/13MLM/12FRN/12SAN101-202
* No End-Of-Semester Examinations. Only Continuous Internal Assessment(CIA)
** No Continuous Internal Assessment(CIA). Only End-Of-Semester Examinations
*** Project Report – 60 marks; Viva Voce -20 marks; Internal – 20 marks

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

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Tally Table:

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

Note :

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

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

ELECTIVE PAPERS:

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

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

NON-MAJOR ELECTIVE:

1. Human Rights

2. Women's Rights

KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]

COIMBATORE - 641 029.

BACHELOR OF COMPUTER APPLICATIONS [BCA]

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2016-2017] onwards

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	15TML1A1	Lan - Tamil I/Hindi I/French I/ Malayalam I/ Sanskrit I	6	25	75	100	3	3
	II	15ENG101	Lan - English I	6	25	75	100	3	3
	III	15UCA101	C.P.1: – C Programming	5	25	75	100	3	4
		15UCA1CL	C.Pr .1: – C Programming Lab	5	40	60	100	3	2
		15UCA1A1	Allied 1:–Business Accounting	6	25	75	100	3	5
	IV	15EVS101	Enviromental Studies **	2	-	50	50	3	2
II	I	16TML2A2	Lan - Tamil II/Hindi II/ FrenchII/MalayalamII/ Sanskrit II	6	25	75	100	3	3
	II	15ENG202	Lan - English II	6	25	75	100	3	3
	III	15UCA202	C.P. 2: Object Oriented Programming with C++	4	25	75	100	3	4
		15UCA203	C.P. 3: – Digital Fundamentals and Computer Organization	3	25	75	100	3	4
		15UCA2CM	C.Pr .2:– Object Oriented Programming with C++ - Lab	3	40	60	100	3	2
		15UCA2A2	Allied 2:– Computer Oriented Numerical and Statistical methods	6	25	75	100	3	5
	IV	16VED201	Value Education - Moral & Ethics**	2	-	50	50	3	2
III	III	15UCA304	C.P.4: – Operating Systems	5	25	75	100	3	4
		15UCA305	C.P. 5: – Data Structures and Algorithms	5	25	75	100	3	4
		15UCA306	C.P 6: – Relational Database Management Systems	5	25	75	100	3	4
		15UCA3CN	C.Pr .3:– Relational Database Management Systems -Lab	5	40	60	100	3	2

		15UCA3A3	Allied 3:– Operations Research.	6	25	75	100	3	5
	IV	15UCA3S1	Skill based Subject - I Linux Programming	2	25	75	100	3	3
		15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil*/ Adv.Tamil **/ Non major Elective I – Human Rights	2	-	75	75	3	2
IV	III	15UCA407	C.P 7:– Software Engineering	5	25	75	100	3	4
		15UCA408	C.P 8: – Computer Networks	5	25	75	100	3	4
		16UCA409	C.P 9: – Advanced JAVA	5	25	75	100	3	5
		15UCA4CO	C.Pr .4: – :– Advanced JAVA – Lab	5	40	60	100	3	2
		15UCA4A4	Allied 4: -Organizational Behavior and Marketing	6	25	75	100	3	5
	IV	16UCA4SL	Skill based Subject - II Linux Programming Lab	2	40	60	100	3	3
		15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil*/Adv.Tamil**/ Non major Elective II – Women's Rights	2	-	75	75	3	2
V	III	16UCA510	C.P 10:– Visual Basic and .NET	6	25	75	100	3	5
		16UCA511	C.P 11: – Cloud Computing	6	25	75	100	3	5
		15UCA512	C.P 12: – Data Mining	5	25	75	100	3	5
		16UCA5E1	Elective Paper I	6	25	75	100	3	5
		16UCA5CP	C.Pr .5 – Visual Basic and .NET Lab	5	40	60	100	3	2
	IV	15UCA5S3	Skill based Subject - III Python Programming	2	25	75	100	3	3
VI	III	16UCA6E2	Elective Paper II	6	25	75	100	3	5
		15UCA613	C.P. 13: - Web Designing	6	25	75	100	3	4
		15UCA614	C.P.14:- Information Security	6	25	75	100	3	5
		16UCA6CQ	C.Pr. 6: - Web designing Lab	6	40	60	100	3	2

Part	Course Code	Title		CIA	ESE	Total	Hours	Credits
	16UCA6Z1	Project Work & Viva-Voce	4	20	80*	100	3	4
IV	15UCA6S4	Skill based Subject - IV Python Programming lab	2	40	60	100	-	3
Part V	15NCC/NSS/YRC/PYE101	Extension activity (NSS,NCC,PE,YRC) *	-	50 (CIA only)	-	50	-	1

@Hindi -	15HIN101/202	$$NCC –	15NCC101
@French -	15FRN101/202	NSS –	15NSS101
@Malayalam -	15MLM101/202	Sports –	15PYE101
@Sanskrit –	15SAN101/202	YRC –	0YRC101
		PYE-	15P4E101

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

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

Major Elective Papers:

1) **Software Project Management**

2) **Case Tools and Concepts**

3) **Software Testing**

4) **Compiler 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		72
	Allied	400	2700	20
	Elective	300		15
Part IV	Basic Tamil/Adv.Tamil/Non-Elective Major	150		4
	Skill Based subject	400		12
	Environmental Studies	50	650	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.**

UCA 58

15UCA4S2

Skill Based Subject :II -MULTIMEDIA LAB - PHOTOSHOP
PRACTICAL LIST

Credit:3   **Total Hours : 30**

1. Create Sun Flower using Photoshop.

2. Create Water Drops using Photoshop.

3. Animate Plane Flying the Clouds using Photoshop.

4. Create Plastic Surgery for Nose using Photoshop.

5. Create Mouse using Photoshop.

6. Create See thru text using Photoshop.

7. Create Military Clothe using Photoshop.

8. Create Stone Texture using Photoshop.

9. Create Rollover Buttons using Photoshop.

10. Create Realistic Stone Structure using Photoshop.

11. Create Web Page using Photoshop.

12. Convert Black and White to Color Photo using Photoshop.

13.Creation of an Realistic image using Photoshop tools.

Guidelines to the distribution of marks for practical Examinations:

Two questions will be given for each student (3 Hours / 60 Marks)

1. Record Work - 10 Marks
2. Algorithm, Program , Typing and Execution   : 50 Marks.

Particulars	Program I (Marks)	Program II (Marks)
Algorithm	10	10
Program Writing	10	10
Typing and Execution	5	5

Internal Mark Split-ups for 40 Marks: Observation- 10 Marks, Attendance- 5 Marks, Two Model Practical-25 Marks.

BACHELOR OF COMPUTER APPLICATIONS [BCA]

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2016-2017] onwards

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
					CIA	ESE	Total		
I	I	15TML1A1	Lan - Tamil I/Hindi I/French I/ Malayalam I/ Sanskrit I	6	25	75	100	3	3
	II	15ENG101	Lan - English I	6	25	75	100	3	3
	III	15UCA101	C.P.1: – C Programming	5	25	75	100	3	4
		15UCA1CL	C.Pr .1: – C Programming Lab	5	40	60	100	3	2
		15UCA1A1	Allied 1:–Business Accounting	6	25	75	100	3	5
	IV	15EVS101	Enviromental Studies **	2	-	50	50	3	2
II	I	16TML2A2	Lan - Tamil II/Hindi II/ FrenchII/MalayalamII/ Sanskrit II	6	25	75	100	3	3
	II	15ENG202	Lan - English II	6	25	75	100	3	3
	III	15UCA202	C.P. 2: Object Oriented Programming with C++	4	25	75	100	3	4
		15UCA203	C.P. 3: – Digital Fundamentals and Computer Organization	3	25	75	100	3	4
		15UCA2CM	C.Pr .2:– Object Oriented Programming with C++ - Lab	3	40	60	100	3	2
		15UCA2A2	Allied 2:– Computer Oriented Numerical and Statistical methods	6	25	75	100	3	5
	IV	15VED201	Value Education - Moral & Ethics**	2	-	50	50	3	2
III	III	15UCA304	C.P.4: – Operating Systems	5	25	75	100	3	4
		15UCA305	C.P. 5: – Data Structures and Algorithms	5	25	75	100	3	4
		15UCA306	C.P 6: – Relational Database Management Systems	5	25	75	100	3	4
		15UCA3CN	C.Pr .3:– Relational Database Management Systems -Lab	5	40	60	100	3	2
		15UCA3A3	Allied 3:– Operations Research.	6	25	75	100	3	5

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

	IV	15UCA6S4	Skill based Subject - IV Animation Techniques lab - Flash	2	40	60	100	-	3
Part V		15NCC/NSS/Y RC/PYE101	Extension activity (NSS,NCC,PE,YRC) *	-	50 (CIA only)	-	50	-	1

@Hindi   -   15HIN101/202 $$NCC –   15NCC101
@French -   15FRN101/202   NSS –   15NSS101
@Malayalam - 15MLM101/202   Sports –   15PYE101
@Sanskrit -   15SAN101/202   YRC –   0YRC101
                                                                   PYE-   15P4E101

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

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

Major Elective Papers:

1) **Software Project Management**

2) **Case Tools and Concepts**

3) **Software Testing**

4) **Principles of Compiler**

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

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		72
	Allied	400	2700	20
	Elective	300		15
Part IV	Basic Tamil/Adv.Tamil/Non-Elective Major	150		4
	Skill Based subject	400	650	12
	Environmental Studies	50		2
	Value Education	50		2

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

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR 2016-2017 & ONWARDS]

Semester	Part	Subject Code	Title of the Paper	Instruction Hours / Cycle	CIA	ESE	Total	Duration of Exam(Hours)	Credits
I	I	15TML1A1	Language I @	6	25	75	100	3	3
	II	15ENG101	English I	6	25	75	100	3	3
	III	15UCT101	C.P.1 C Programming	5	25	75	100	3	4
		16UCT1CL	C.Pr.1 C Programming Lab	5	40	60	100	3	2
		15UCT1A1	Allied 1 - Discrete Mathematics and Statistics	6	25	75	100	3	5
	IV	**15EVS101**	**Environmental Studies ****	**2**	**-**	**50**	**50**	**3**	**2**
II	I	15TML2A2	Language II @	6	25	75	100	3	3
	II	15ENG202	English II	6	25	75	100	3	3
	III	16UCT202	C.P.2 Digital Fundamentals and Computer Organization	4	25	75	100	3	4
		16UCT203	C.P.3 Object Oriented Programming with C++	3	25	75	100	3	4
		16UCT2CM	C.Pr.2 C++ Programming Lab	3	40	60	100	3	2
		15UCT2A2	Allied 2 – Operations Research	6	25	75	100	3	5
	IV	**15VED201**	**Value Based Education ** (Moral and Ethics)**	**2**	**-**	**50**	**50**	**3**	**2**
III	III	16UCT304	C.P.4 Operating Systems	5	25	75	100	3	4
		15UCT305	C.P.5 Data Structures and Analysis of Algorithms	5	25	75	100	3	4
		15UCT306	C.P.6 Java Programming	5	25	75	100	3	4
		16UCT3CN	C.Pr.3 Java Programming Lab	5	40	60	100	3	2
		16UCT3A3	Allied 3 – Business Accounting	6	25	75	100	3	5
	IV	**15UCT3S1**	**Skill Based Subject 1 - Computer Installation & Servicing**	**2**	**25**	**75**	**100**	**3**	**3**
		15TBT301/ 15TAT301/ 15UHR3N1	**Basic Tamil*/Advanced Tamil**/(or) Non Major Elective I ****	**2**	**-**	**75**	**75**	**3**	**2**

IV	III	16UCT407	C.P.7 Relational Database Management Systems	5	25	75	100	3	4
		15UCT408	C.P.8 Visual Basic.NET	4	25	75	100	3	4
		15UCT409	C.P.9 Computer Networks	5	25	75	100	3	4
		16UCT4CO	C.Pr.4 Visual Basic .NET and Oracle Lab	6	40	60	100	3	2
		16UCT4A4	Allied 4 - Microprocessors, PC Hardware & Interfacing	6	25	75	100	3	5
	IV	**16UCT4SL**	**Skill Based Subject 2 - Computer Installation & Servicing Lab**	**2**	**40**	**60**	**100**	**3**	**3**
		15TBT402/ 15TAT402/ 15UWR4N2	**Basic Tamil*/Advanced Tamil**/(or) Non Major Elective II****	**2**	**-**	**75**	**75**	**3**	**2**
V	III	15UCT510	C.P.10 Software Engineering and Testing	5	25	75	100	3	5
		15UCT511	C.P.11 Client/Server Techniques	5	25	75	100	3	5
		15UCT512	C.P.12 Data Mining and Warehousing	6	25	75	100	3	5
		16UCT5E1	**Elective Paper - I**	**6**	**25**	**75**	**100**	**3**	**5**
		15UCT5CP	C.Pr.5 Software Testing Lab	6	40	60	100	3	2
	IV	**16UCT5S2**	**Skill Based Subject 3 - Open Source Technology-Linux**	**2**	**40**	**60**	**100**	**3**	**3**
		15UCT5SP	**Summer Project**	**Grade ******					
VI	III	15UCT613	C.P.13 Web Programming	6	25	75	100	3	5
		15UCT614	C.P.14 Information Security	6	25	75	100	3	5
		16UCT6E2	**Elective Paper - II**	**6**	**25**	**75**	**100**	**3**	**5**
		15UCT6CQ	C.Pr.6 Web Programming Lab	6	40	60	100	3	2
		15UCT6Z1	Project Work & Viva – Voce***	4	20	80	100	3	4
	IV	**16UCT6SM**	**Skill Based Subject 4 - Shell Programming Lab**	**2**	**40**	**60**	**100**	**3**	**3**
	V	**15NCC/NSS/ YRC/PYE101**	**Extension Activities***	**-**	**50**	**-**	**50**	**-**	**1**

@Tamil/Hindi/French/Malayalam/Sanskrit-

15TML/15HIN/15FRN/15MLM/15SAN101-202

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

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

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

**** Summer Project : Students should do the summer project at the end of fourth semester during summer vacation and submitted the report in the fifth semester. The Project report will be evaluated for 100 marks along with the internal viva voce by the respective internal project guide. According to their marks, the grades will be awarded as given below.

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

Major Elective Papers

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

1. Mobile Computing
2. Network Security
3. Cloud computing
4. System software

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

Tally Table:

S.No.	PART	SUBJECT	MARKS	TOTAL MARKS	CREDITS
1.	Part I	Language - Tamil/Hindi/French/Malayalam/Sanskrit	200	200	6
2.	Part II	English	200	200	6
3.	Part III	Core- Theory/Practical/Project	2100		77
		Allied	400		20
		Major Electives	200	2700	10
4.	Part IV	Basic Tamil / Advanced Tamil (or) Non Major Elective	150		4
		Skill Based Subjects	400		12
		Environmental Studies	50		2
		Value Education	50	650	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 2016-2017 & ONWARDS]

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

		15UIT407	Core VII – Operating Systems	5	25	75	100	3	4
		15UIT408	Core VIII – Visual Programming	5	25	75	100	3	5
	III	15UIT409	Core IX – Principles of Data Communications and Network	5	25	75	100	3	4
IV		15UIT4CO	Core Practical IV – Programming Lab – VB & VB.Net	5	40	60	100	3	2
		15UIT4A4	Allied IV –Microprocessors, PC Hardware and Interfacing	6	25	75	100	3	5
		16UIT4SL	**Skill Based Subject 2 (Practical) Linux Programming Lab**	**2**	**40**	**60**	**100**	**3**	**3**
	IV	**15TBT402/ 15TAT402/ 15UWR4N2**	**Basic Tamil */ Advanced Tamil **/ Non-Major Elective – II ** (Women's Rights)**	**2**	**-**	**75**	**75**	**3**	**2**
		15UIT510	Core X– Client/Server Computing	6	25	75	100	3	4
		15UIT511	Core XI – Software Engineering	6	25	75	100	3	4
V	III	15UIT512	Core XII – Mobile Computing	6	25	75	100	3	4
		15UIT5CP	Core Practical V – Software Testing Lab	5	40	60	100	3	2
		16UIT5E1	**Major Elective I**	**5**	**25**	**75**	**100**	**3**	**5**
	IV	**16UIT5S2**	**Skill Based Subject 3 Python Programming**	**2**	**25**	**75**	**100**	**3**	**3**
		15UIT613	Core XIII – Open Source Tools	6	25	75	100	3	5
		15UIT614	Core XIV **-** Information Security	6	25	75	100	3	4
VI	III	15UIT6CQ	Core Practical VI – Programming Lab Using Scripting Languages and My SQL	5	40	60	100	3	2
		16UIT6E2	**Major Elective II**	**5**	**25**	**75**	**100**	**3**	**5**
		15UIT6Z1	**Project***	**6**	**20**	**80**	**100**	**3**	**4**
	IV	**16UIT6SM**	**Skill Based Subject 4 (Practical) Python Programming Lab**	**2**	**40**	**60**	**100**	**3**	**3**
Part V	**$$**		**Extension Activities ***	**-**	**50**	**-**	**50**	**-**	**1**

@ Hindi/Malayalam/ French/ Sanskrit – 15HIN/MLM/FRN/SAN101 - 202
* No End-of-Semester Examinations. Only Continuous Internal Assessment (CIA)
** No Continuous Internal Assessment (CIA). Only End-of-Semester Examinations (ESE)
*** Project Report   – 60 marks; Viva voce – 20 marks; Internal-20 marks

Major Elective Papers

Elective I

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

Elective II

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

Non- Major Elective Papers

1. **Human Rights**
2. **Women's Rights**

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

Tally Table:

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

Note :

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

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

1. Break up Marks for CIA of Theory

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

2. Components of Practical:

Break up Marks for CIA of Practical

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

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
Total	-	60

3. Component for Project:

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

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

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 2016-2017 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks CIA	Exam. Marks ESE	Exam. Marks TOTAL	Duration of Exam (hours)	Credits
I	I	16TML1A1	Language I	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	16UCM101	Core 1 - Fundamentals of Financial Accounting	6	25	75	100	3	5
	III	16UCM102	Core 2 - Business Organisation	4	25	75	100	3	3
	III	15UCM1A1	Allied 1– Economic Analysis	6	25	75	100	3	5
	IV	**15EVS101**	**Environmental Studies ****	**2**	**-**	**50**	**50**	**3**	**2**
II	I	13TML2A2	Language II	6	25	75	100	3	3
	II	15ENG202	English –II	6	25	75	100	3	3
	III	15UCM203	Core 3 - Financial Accounting	6	25	75	100	3	5
	III	16UCM204	Core 4 - Banking Theory Law and Practice	4	25	75	100	3	3
	III	16UCM2A2	Allied 2- International Trade	6	25	75	100	3	5
	IV	**16VED201**	**Value Education- Moral and Ethics ****	**2**	**-**	**50**	**50**	**3**	**2**
III	III	15UCM305	Core 5 - Higher Financial Accounting	6	25	75	100	3	5
	III	16UCM306	Core 6 - Principles of Management	5	25	75	100	3	3
	III	15UCM307	Core 7 - Commercial Law	5	25	75	100	3	3
	III	16UCM308	Core 8 - Marketing	4	25	75	100	3	3
	III	15UCM3A3	Allied 3- Business Mathematics	6	25	75	100	3	5
	IV	**15UCM3SL**	**Skill Based subject 1-** Computer Applications (MS-Word and MS-Excel)- Practical –I	**2**	**40**	**60**	**100**	3	**3**
	IV	**15TBT301/ 15TAT301/ 15UHR3N1**	**Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I****	**2**		**75**		3	**2**
IV	III	15UCM409	Core 9 - Corporate Accounting	6	25	75	100	3	5
	III	16UCM410	Core 10 -Company Law	5	25	75	100	3	3
	III	16UCM411	Core 11 - Financial Management	5	25	75	100	3	3
	III	16UCM412	Core 12 - Business Communication	4	25	75	100	3	3
	III	15UCM4A4	Allied 4- Business Statistics	6	25	75	100	3	5
	IV	**15UCM4SM**	**Skill Based subject 2-** Computer Applications (MS-Power point and MS-Access)- Practical –II	**2**	**40**	**60**	**100**	3	**3**
	IV	**15TBT402/ 15TAT402/ 15UWR4N2**	**Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II****	**2**		**75**		3	**2**

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

External:

ESE Practical	45
Viva-voce	15
	60

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.

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KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) COIMBATORE-29

END SEMESTER EXAMINATIONS QUESTION PAPERS PATTERN
(For the candidates admitted from the Academic year 2015-16)

Max Marks: 75

SECTION – A

10X1= 10 Marks

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

SECTION – B   5 X 5 = 25 Marks

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

SECTION – C   5 x 8 = 40 Marks

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

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

END SEMESTER EXAMINATION QUESTION PAPER PATTERN

(For the candidates admitted from the academic year 2015 – 2016)

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

Internals	**:**	**40 Marks**
Externals	**:**	**60 Marks**

<u>Internals (40 Marks)</u>

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>

<u>Externals:60 Marks</u>

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 2016-2017 AND ONWARDS)

Model Scheme of Examination (With 2 Semester Language Papers)

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

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

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

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

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

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

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

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

MAJOR ELECTIVE PAPERS

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

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

LIST OF NON-MAJOR ELECTIVES

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

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

TALLY TABLE

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

Note:

CBCS – Choice Based Credit System   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 subjects except JOC, COP and Diploma Courses, which are considered as extra credit courses.

1. Break up Marks for CIA of Theory

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

2. Components of Practical

Break up marks for CIA of Practical

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

3. Components for Project

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

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

Instructions to be followed during the presentation of syllabi

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

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

Break up of mark for ESE Practical:

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

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

Question Paper Pattern

Maximum External Marks – 75

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

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

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

DEPARTMENT OF COMMERCE WITH PROFESSIONAL ACCOUNTING (UG)

Curriculum and scheme of Examination under CBCS

(Applicable to students Admitted from the Academic Year 2016-2017 onwards)

Semester	Part	Subject Code	Title of the Paper	Instruction hours/cycle	CIA	ESE	TOTAL	Duration of Exam (hours)	Credits
I	I	16TML1A1	Language I@	6	25	75	100	3	3
	II	15ENG101	English -I	6	25	75	100	3	3
	III	16UPA101	C.P.1 – Principles of Accountancy	4	25	75	100	3	4
	III	16UPA102	C.P. 2 – Introduction to Information Technology	4	25	75	100	3	4
	III	16 UPA1A1	Allied 1– Mathematics for Business	6	25	75	100	3	5
	-	-	C.Pr.1-Computer Applications Practical I	2	-	-	-	-	-
	IV	**15EVS101**	**Environmental Studies ****	**2**	**-**	**50**	**50**	3	**2**
II	I	15TML2A2	Language II@	6	25	75	100	3	3
	II	15ENG202	English –II	6	25	75	100	3	3
	III	16UPA2CL	C.Pr.1 - Computer Applications Practical I	4	40	60	100	3	3
	III	16UPA203	C.P.3 – Mercantile Law	6	25	75	100	3	5
	III	16UPA2A2	Allied 2- Statistics for Business	6	25	75	100	3	5
	IV	**15VED201**	**Value Education- Moral and Ethics****	**2**	**-**	**50**	**50**	3	**2**
III	III	16UPA304	C.P.4 – Financial Accounting	6	25	75	100	3	4
	III	16UPA 305	C.P.5 – Cyber Law	5	25	75	100	3	3
	III	16UPA 306	C.P.6 – Business Communication	5	25	75	100	3	3
	III	16UPA 307	C.P.7 – Industrial Law	4	25	75	100	3	3
	III	16UPA3A3	Allied 3- Business Economics	6	25	75	100	3	5
	IV	16UPA**3S1**	**Skill Based subject 1-** Strategic Management	**2**	25	75	**100**	3	**3**
	IV	**15TBT301/ 15TAT301/ 15UHR3N1**	**Basic Tamil* / Advanced Tamil** (OR) Non-major elective- I****	**2**		**75**		3	**2**
IV	III	16UPA408	C.P.8 - Partnership Accounting	6	25	75	100	3	4
	III	16UPA409	C.P.9 - Cost Accounting	5	25	75	100	3	4
	III	16UPA410	C.P.10 – Company Law	5	25	75	100	3	3
	III	16UPA411	C.P.11 – Principles of Management	4	25	75	100	3	3
	III	16UPA4A4	Allied 4- Business Environment	6	25	75	100	3	5
	IV	**16UPA4S2**	**Skill Based subject 2-** Customer Relationship Management	**2**	25	75	**100**	3	**3**

	IV	15TBT402/ 15TAT402/ 15UWR4N2	**Basic Tamil* / Advanced Tamil** (OR) Non-major elective- II****	**2**			75	3	**2**
V	III	16UPA512	C.P.12 - Corporate Accounting	6	25	75	100	3	4
	III	16UPA513	C.P.13 - Financial Management	6	25	75	100	3	4
	III	16UPA514	C.P.14 - Direct Tax	6	25	75	100	3	5
	III	16UPA515	C.P.15 – Principles of Marketing	5	25	75	100	3	3
	III	**16UPA5E1**	**Major Elective 1 -**	**5**	**25**	**75**	**100**	3	**5**
	IV	**16 UPA5S3**	**Skill Based subject 3-** Entrepreneurship Development	**2**	25	75	**100**	3	**3**
VI	III	16UPA616	C.P.16– Management Accounting	5	25	75	100	3	4
	III	16UPA617	C.P.17 – Principles of Auditing	5	25	75	100	3	3
	III	16UPA618	C.P.18 – Indirect Tax	4	25	75	100	3	3
	III	16UPA619	C.P.19 – Banking Theory, Law & Practice	4	25	75	100	3	3
	III	**16UPA6E2**	**Major Elective 2 –**	**4**	**25**	**75**	**100**	3	**5**
	III	**16UPA6Z1**	**Professional Training cum Project*****	**6**	**20**	**80**	**100**	-	**5**
	IV	**16UPA6S4**	**Skill Based subject 4-** Investment Management	**2**	25	75	**100**	3	**3**
	V	**15NCC/NSS/ YRC/PYE101**	**Extension Activities***	**-**	**50**	**-**	**50**	**-**	**1**
			Total				**3800**		**140**

@ Tamil/Hindi/Malayalam/ French/ Sanskrit – 16TML/HIN/MLM/FRN/SAN101 - 202
 * No End-of-Semester Examinations. Only Continuous Internal Assessment (CIA)
 ** No Continuous Internal Assessment (CIA). Only End-of-Semester Examinations (ESE)
 *** Project Report – 60 marks; Viva voce – 20 marks; Internal-20 marks

Components of Computer Applications – Practical

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

Component for Project

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

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

1. Financial Markets and Institutions
2. Financial Services
3. Human Resource Management
4. Working Capital Management
5. Insurance Principles and Practice
6. Management Information System

Non-Major Elective Papers

1. Human Rights
2. Women's Rights

Skill based subjects

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

Tally Table:

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

Note :

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

END SEMESTER EXAMINATIONS QUESTION PAPERS PATTERN

(For the candidates admitted from the Academic year 2016-17)

Max Marks: 75

SECTION – A

10X1= 10 Marks

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

SECTION – B   5 X 5 = 25 Marks

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

SECTION – C   5 x 8 = 40 Marks

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

KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
COIMBATORE-641029

BUSINESS ADMINISTRATION WITH COMPUTER APPLICATIONS
Curriculum & Scheme of Examination under CBCS
APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR
2016-2017 onwards.

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

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

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

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

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

*No End-of-semester Examinations. Only Continuous Internal Assessment (CIA)
**No Continuous Internal Assessment (CIA).Only End-of-semester Examinations.
Record 60 Marks. Viva Voce-20 Marks.

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

Note: In core/ allied subjects, no. of papers both theory and practical are included Wherever applicable.

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However, the total credits and marks for core/allied subjects remains the same as stated below.

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

CBCS- choice based credit system. NSS-National service scheme.
Lan- Language.   YRC-Youth Red Cross
SBS- Skill based subject.   ESE-End of semester Examination.
NCC-National based subject.   PYE-Sports.

➢ 25% CIA is applicable to all subjects under Part I, Part II, Part III, and skill based subjects under Part IV and the proportion of marks for the lab is in the ratio of 40:60(INTERNAL/EXTERNAL).

➢ There is no CIA for the subjects under part IV except skill based subjects.

➢ Extension activities like NCC/NSS/ PYE /YRC are conducted after the college hours.

➢ ##Institutional training for a period of one month (30days) in various industrial establishments is to be completed in fourth semester vacation followed by submission of report in the fifth semester and awarded marks by the respective faculty after conducting the Internal viva-voce.

➢ Project work***, which is compulsory, carries 100 marks. A student should select a topic for project work in the beginning of the sixth semester and should submit the project report (dissertation) at the end of sixth semester. There is a viva-voce for the project work. Internal and External examiner shall jointly evaluate the project report and conduct the viva-voce.

Major Electives:
1. Entrepreneurial development and project management.
2. Product strategy and management.
3. Applied marketing management.
4. Investment and portfolio management.
5. Retail Marketing Management.

1. <u>Break up Marks for CIA of Theory</u>

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

2. <u>Components of Practical</u>

Break up marks for CIA of Practical

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

3. Break up of mark for ESE Practical:

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

Experiment	50 marks
Record	10 marks
Total	**60 marks**

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

3. <u>Components for Project</u>

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 - 641 029
B.SC COSTUME DESIGN AND FASHION
CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS
[APPLICABLE TO THE STUDENTS ADMITTED DURING THE
ACADEMIC YEAR 2016-2017 ONWARDS]

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

Sem	Part	Course Code	Title						
	III	16UCD4CP	C Pr. 5 -Textile Processing	5	40	60	100	3	3
		16UCD4CQ	C Pr.6 - Apparel Designing - Men's wear	6	40	60	100	4	4
		15UCD4A2	**Allied P. 2 - Fundamentals of Research and Statistics**	**6**	**25**	**75**	**100**	**3**	**5**
	IV	**15UCD4SL**	**Skill based subject 2 – Textile Testing I practical**	**2**	**40**	**60**	**100**	**3**	**3**
		15TBT402/ 15TAT402/ 15UWR4N2	**Basic Tamil* / Advanced Tamil** / Non Major Elective II** Women's Rights**	**2**		**75**		**3**	**2**
V	III	15UCD5IT	# Internship training in Textile Unit			Grade			
		16UCD508	C.P.8- Introduction to Technical Textiles	6	25	75	100	3	4
		15UCD509	C.P.9 – Apparel Marketing & Merchandising	5	25	75	100	3	4
		16UCD5CR	C.Pr. 7. Accessories and Jewellery Making	6	40	60	100	4	4
		15UCD5CS	C.Pr.8 - Computer Aided Design I	6	40	60	100	4	3
		15UCD5E1	**Major Elective I**	**5**	**25**	**75**	**100**	**3**	**5**
	IV	**15UCD5SM**	**Skill Based subject-3 Textile Testing II practical**	**2**	**40**	**60**	**100**	**3**	**3**
VI	III	16UCD610	C.P.10. Visual Merchandising and Display	6	25	75	100	3	5
		15UCD6CT	C.Pr.9. Computer Aided Design – II	6	40	60	100	4	3
		16UCD6Z1	Project Work***	6	20	80	100	-	5
		16UCD6CU	C.Pr.10 Home Furnishing	5	40	60	100	3	3
		15UCD6E2	**Major Elective II**	**5**	**25**	**75**	**100**	**3**	**5**
	IV	**16UCD6S2**	**Skill Based subject 2 – Apparel Quality Inspection and Standards**	**2**	**25**	**75**	**100**	**3**	**3**
	V	**NSS/ NCC/ YRC**	**Extension Activities***	**-**	**50**	**-**	**50**	**-**	**1**
			Total	**180**			**3800**		**140**

@Hindi / Malayalam/ French/ Sanskrit- 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**

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

Non-Major Elective papers
1. Human Rights
2. Women's Rights

Part-wise total marks:

	Part	SUBJECT	MARKS	TOTAL MARKS	CREDITS
1.	I	Language – Tamil/ Hindi/ Malayalam/ French /Sanskrit	200	200	6
2.	II	English	200	200	6
3.	III	Core – Theory/Practical / Project	2100	2700	77
		Allied	400		20
		Electives	200		10
4.	IV	Basic Tamil/ Advanced Tamil (OR) Non Major Elective	150	650	4
		Skill Based Subject	400		12
		Environmental Studies	50		2
		Value Based Education	50		2
5.	V	Extension activities	50	**50**	1
		TOTAL MARKS	**3800**	**3800**	**140**

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End Semester Examinations

- ❖ 25% CIA is applicable to all Theory subjects under Part I, Part II, and Part III.
- ❖ CIA not applicable for subject under part IV except skill based subjects.

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

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

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

- **Job Oriented Course (JOC)** offered by the Department
    1. Fashion Designing
- **Diploma Courses** offered by the department
    1. Fashion Design
    2. Garment Merchandising
    3. Garment Manufacturing Technology

MARKS SPLIT - UP FOR THEORY AND PRACTICALS CIA AND ESE

1. Break up Marks for CIA of Theory

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

2. Components of Practical:

Break up Marks for CIA of Practical

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

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
Total	**-**	**60**

3. Component for Project:

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

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

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 2016-2017 onwards)

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

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

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

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

JOB ORIENTED COURSE (JOC) SEMESTER-I
English for Competetive Examinations
Career Orientation Programme (COP) Semester-III
Copy Writing

Major Elective Papers

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

1.Linguistics

2.Journalism & Mass Communication

3.Children's Literature

4.Women's Studies

Non Major Elective Papers

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

1. Green Studies

2. 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.

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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 2016–2017 and onwards)

Semester	Subject code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam. Hrs.	Credit
				CIA	ESE	Total		
I	15PPH101	**C.P 1**- Classical Mechanics	5	25	75	100	3	5
	15PPH102	**C.P 2**- Mathematical Physics	5	25	75	100	3	5
	15PPH103	**C.P 3**- Modern Optics	5	25	75	100	3	5
	16PPH1N1	**1N1** – Non –Major Elective I **: Digital electronics and Microprocessors /** Applied Physics	5	25	75	100	3	5
	15PPH2CL	**C. Pr 1**- General Experiments	5	-	-	-	-	-
	15PPH2CM	**C. Pr 2**- Electronics Experiments	5	-	-	-	-	-

Semester	Subject code	Title of the Paper	Instruction hours/cycle	CIA	ESE	Total	Duration of Exam. Hrs.	Credit
II	15PPH204	**C.P 4**- Quantum Mechanics –I	5	25	75	100	3	4
	16PPH205	**C.P 5**- Thermodynamics and Statistical mechanics	5	25	75	100	3	4
	15PPH206	**C.P 6**- Thin Film Physics, Plasma Physics and Crystal growth	4	25	75	100	3	4
	15PPH207	**C.P 7**- Nuclear and Particle Physics	4	25	75	100	3	4
	15PPH2N2	**2N2** – Non –Major Elective II: **Energy Physics /** Industrial Physics	4	25	75	100	3	5
	15PPH2CL	**C.Pr 1** - General Experiments	4	40	60	100	4	3
	15PPH2CM	**C.Pr 2** - Electronics Experiments	4	40	60	100	4	3

Semester	Subject code	Title of the Paper	Instruction hours/cycle	CIA	ESE	Total	Duration of Exam. Hrs.	Credit
III	15PPH308	**C.P 8**- Quantum Mechanics-II	5	25	75	100	3	5
	15PPH309	**C.P 9**- Electromagnetic theory and Electrodynamics	5	25	75	100	3	5
	15PPH310	**C.P.10** Solid State Physics	5	25	75	100	3	5
	15PPH3E1	**Major Elective I: Nano Science** / Atmospheric Science	5	25	75	100	3	5
	15PPH4CN	**C. Pr 3**- Advanced Experiments	5	-	-	-	-	-
	15PPH4CO	**C. Pr 4** - Special Electronics Experiments	5	-	-	-	-	-

IV	15PPH411	**C.P. 11** Communication Physics	5	25	75	100	3	4
	15PPH412	**C.P 12** - Atomic & Molecular Spectroscopy	5	25	75	100	3	4
	15PPH4N2	Major Elective II: **Biomedical Instrumentation /** Problems in Physics	5	25	75	100	3	5
	15PPH4CN	**C. Pr 3** - Advanced Experiments	5	40	60	100	6	3
	15PPH4CO	**C. Pr 4** - Special Electronics Experiments	5	40	60	100	6	3
	15PPH4Z1	**Project and Viva Voce**	5	40	160	200	-	4
		Total				2200		90

Major Elective Papers

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

1. **Nanoscience**

2. Atmospheric Science

3. **Biomedical Instrumentation**

4. Problems in Physics

Non - Major Elective papers

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

1. **Digital electronics and Microprocessors**

2. Applied Physics

3. **Energy Physics**

4. Industrial Physics

Tally Table:

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

Note:

- CBCS– CHOICE BASED CREDIT SYSTEM
- CIA– CONTINOUS INTERNAL ASSESMENT
- ESE–END OF SEMESTER EXAMINATION

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 2016 – 2017 onwards)

Semester	Course code / Q.P.Code	Title of the Course	Instruction hours/cycle	Exam. Marks CIA	Exam. Marks ESE	Exam. Marks Total	Duration of Exam (Hrs)	Credits
I	16PCH101	C.P.-1- Organic Chemistry - I	5	25	75	100	3	5
	16PCH102	C.P. 2 - Inorganic Chemistry - I	5	25	75	100	3	5
	16PCH1E1	ME-1 Major Elective - I	5	25	75	100	3	5
	16PCH1N1	NME-1 Non-Major Elective - I	5	25	75	100	3	5
		C.Pr.1 - Organic Chemistry Practical - I	3	-	-	-	-	-
		C.Pr.2 - Inorganic Chemistry Practical-I	3	-	-	-	-	-
		C.Pr.3 - Physical Chemistry Practical-I	4	-	-	-	-	-
II	16PCH203	C.P. 4 - Physical Chemistry - I	5	25	75	100	3	5
	16PCH204	C.P. 3 - Organic Chemistry - II	5	25	75	100	3	5
	16PCH205	C.P. 5 - Inorganic Chemistry - II	5	25	75	100	3	5
	15PCH2CL	C.Pr.1 - Organic Chemistry Practical - I	5	40	60	100	6	3
	15PCH2CM	C.Pr.2 - Inorganic Chemistry Practical-I	5	40	60	100	6	3
	15PCH2CN	C.Pr.3 - Physical Chemistry Practical-I	5	40	60	100	6	2
III	16PCH306	C.P. 6 - Physical Chemistry - II	5	25	75	100	3	5
	16PCH307	C.P. 7 - Spectroscopy	5	25	75	100	3	5
	16PCH308	C.P.8 - Organic Chemistry - III	5	25	75	100	3	5
	16PCH309	C.P.9- Inorganic Chemistry-III	5	25	75	100	3	5
	15PCH3CO	C. Pr.4-Physical Chemistry Practical -II	4	40	60	100	6	3
		C.Pr.5 - Organic Chemistry Practical - II	3	-	-	-	-	-
		C.Pr.6 - Inorganic Chemistry Practical-II	3	-	-	-	-	-
IV	16PCH410	C.P.10 - Physical Chemistry - III	4	25	75	100	3	4
	16PCH4E2	ME-2 - Major Elective - II	5	25	75	100	3	5
	16PCH4N2	NME- 2 - Non-Major Elective - II	5	25	75	100	3	5
	15PCH4CP	C.Pr.5 - Organic Chemistry Practical - II	5	40	60	100	6	2
	15PCH4CQ	C.Pr.6 - Inorganic Chemistry Practical-II	5	40	60	100	6	2
	15PCH4Z1	Project Work & Viva -Voce	6	40	160	200	-	6
Total						**2200**		**90**

Major Electives papers
(2 papers are to be chosen from the following 4 papers)
1. Physical Methods in Chemistry
2. Polymer science & Technology
3. Green and Nano Chemistry
4. Bio inorganic chemistry

Non-Major Electives papers
(2 papers are to be chosen from the following 4 papers)
1. Environmental chemistry
2. Scientific thesis writing & paper presentation
3. Agricultural Chemistry
4. Industrial Products

Abstract

S.No	Particulars of the Courses	No of courses	Marks	Credits	Total	
					Marks	**Credits**
01	**Core**					
	i. Theory	10	1000	46	1800	70
	ii. Practicals	06	600	18		
	iii. Project work	01	200	06		
02	Major Electives	02	200	10	200	10
03	Non-Major Electives	02	200	10	200	10
	Total				**2200**	**90**

Extra credit courses

		JOB ORIENTED COURSE							
Semester	**Course code / Q.P.Code**	**Title of the Course**	**Instruction**	**Exam. Marks**			**Duration of Exam(Hrs)**	**Credits**
				CIA	**ESE**	**Total**		
	15PCH0J1	JOC - Pharmaceutical Chemistry	6	-	100	100	3	2
ADVANCED LEARNER COURSES *(UNDER SELF STUDY SCHEME)*								
	15PCH0D1	ALC- 1 Chemistry of Corrosion and its Prevention	-	-	100	100	3	2
	15PCH0D2	ALC- 2 Medicinal Chemistry	-	-	100	100	3	2
	15PCH0D3	ALC- 3 Food Chemistry	-	-	100	100	3	2

CBCS – **C**hoice **B**ased **C**redit **S**ystem: CIA – **C**ontinuous **I**nternal **A**ssessment:

ESE – **E**nd-of-**S**emester **E**xamination:

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

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

KONGUNADU ARTS AND SCIENCE COLLEGE (Autonomous)
COIMBATORE- 641 029.
M.Sc. BOTANY
Curriculum & Scheme of Examination under CBCS
(Applicable to Students Admitted from the Academic Year (2016-2017)

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

Major Elective Papers

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

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

Non Major Elective Papers

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

1. Horticulture
2. Limnology
3. Medicinal Plants
4. Industrial Microbiology

Tally Table:

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

Extra Credit Course

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

Note:

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

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

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 2016 - 2017 onwards)

Semester	Subject Code	Title of the Paper	Instruction hours /cycle	Exam Marks			Duration of Exam (hours)	Credits
				CIA	ESE	Total		
I	15PBT101	C.P.1 – Biochemistry	5	25	75	100	3	5
	15PBT102	C.P.2 – Biostatistics and Bioinstrumentation	5	25	75	100	3	5
	15PBT103	C.P.3 - Cell Biology and Molecular Genetics	5	25	75	100	3	5
	15PBT104	C.P.4 – Microbiology	5	25	75	100	3	5
	15PBT1CL	C.Pr.1- Lab in Biochemistry and Bioinstrumentation	5	40	60	100	6	3
	15PBT1CM	C.Pr.2- Lab in Molecular Genetics and Microbiology	5	40	60	100	6	3
II	15PBT205	C.P.5 – Immunotechnology	5	25	75	100	3	5
	15PBT206	C.P.6 - Animal Biotechnology	5	25	75	100	3	4
	15PBT207	C.P.7 – Genetic Engineering	5	25	75	100	3	5
	15PBT208	C.P.8 – Environmental Biotechnology and Intellectual Property Rights	5	25	75	100	3	4
	15PBT2CN	C.Pr.3 - Lab in Immunotechnology and Animal Biotechnology	5	40	60	100	6	3
	15PBT2CO	C.Pr.4- Lab in Molecular Biology, Genetic Engineering and Environmental Biotechnology	5	40	60	100	6	3
III	15PBT309	C.P.9 - Bioprocess Technology	5	25	75	100	3	4
	15PBT310	C.P.10 - Plant Biotechnology	5	25	75	100	3	4
	15PBT311	C.P.11 – Genomics, Proteomics & Systems Biology	5	25	75	100	3	4
	15PBT3CP	C.Pr.5-Lab in Bioprocess Technology and Plant Biotechnology	5	40	60	100	6	3
	16PBT3E1	Major Elective I	5	25	75	100	3	5
	16PBT3N1	Non-Major Elective I – (On-line)	5	25	75	100	3	5
IV	15PBT4Z1	Project Work *	20	40	160*	200	3	5
	16PBT4E2	Major Elective II	5	25	75	100	3	5
	16PBT4N2	Non-Major Elective II - (On-line)	5	25	75	100	3	5
Total			**120**			**2200**		**90**

KONGUNADU ARTS & SCIENCE COLLEGE [AUTONOMOUS]

COIMBATORE-29

MASTER OF SCIENCE IN COMPUTER SCIENCE

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

[APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR **2016-2017** AND ONWARDS]

Semester	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam. Marks			Duration of Exam.(hours)	Credits
				CIA	ESE	Total		
I	15PCS101	C.P.1 Data Structures using C++	5	25	75	100	3	4
	15PCS102	C.P.2 Data Communications and Networks	5	25	75	100	3	4
	15PCS103	C.P.3 Information Security	5	25	75	100	3	4
	15PCS104	C.P.4 Relational Database Management Systems	5	25	75	100	3	4
	15PCS1CL	C.Pr.1 Data Structures using C++ Lab	5	30	45	75	3	3
	15PCS1CM	C.Pr.2 RDBMS Lab	5	30	45	75	3	3
II	15PCS205	C.P.5 Advanced Java Programming	4	25	75	100	3	4
	15PCS 206	C.P.6 Wireless Networks	4	25	75	100	3	4
	16PCS 207	C.P.7 .NET Framework	4	25	75	100	3	4
	16PCS 208	C.P.8 Software Project Management	4	25	75	100	3	4
	16PCS2E1	Elective Paper – I	4	25	75	100	3	4
	15PCS2CN	C.Pr.3 Advanced Java Lab	5	30	45	75	3	3
	15PCS2CO	C.Pr.4 .NET Lab	5	30	45	75	3	3
III	15PCS 309	C.P.9 Open Source Systems	5	25	75	100	3	4
	15PCS 310	C.P.10 Distributed Systems	5	25	75	100	3	4
	15PCS 311	C.P.11 Software Testing	5	25	75	100	3	4
	16PCS 3Z1	Mini Project	---	15	60*	75	3	3
	16PCS 3E2	Elective Paper - II	5	25	75	100	3	4
	15PCS3CP	C.Pr.5 Open Source Lab	5	30	45	75	3	3
	15PCS3CQ	C.Pr.6 Software Testing Lab	5	30	45	75	3	3

IV	15PCS412	C.P.12 Data Mining and Warehousing	5	25	75	100	3	4
	16PCS4E3	Elective Paper - III	5	25	75	100	3	4
	15PCS4CR	C.Pr.7 Multimedia Lab	5	30	45	75	3	3
	16PCS4Z2	Project and Viva-Voce	15	40	160**	200	3	6
		TOTAL				**2300**		**90**

*Project Record – 45 and Viva-Voce – 15

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

TALLY TABLE

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

List of Electives:

1. Intelligent Computing

2. Digital Image Processing

3. Extreme Programming

4. Network Security And Cryptography

5. Natural Language Processing

6. Advanced Computing

7. Agent Based Computing

8. Enterprise Web Services

9. Artificial Intelligence and Expert Systems .

10. Parallel Processing

11. Virtual Reality

12. Embedded Systems

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

Subject Code	Title of the Paper	Instruction Hours/Cycle	Exam Marks			Duration of the Exam.(Hours)	Credits
			CIA	ESE	TOTAL		
15PCS0D1	ALC.1 Programming in C#	-	-	100	100	3	4
15PCS0D2	ALC.2 J2EE	-	-	100	100	3	4

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

MASTER OF COMMERCE - M.COM

CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS

(Applicable to Students admitted from the Academic Year 2016-2017 onwards)

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

* Project Report 120 Marks, Viva Voce 40 Marks

Major Elective Papers

1. Bank Management
2. Executive Communication
3. Industrial Relations and Labour Law
4. Consumer Behaviour
5. Insurance and Risk Management
6. International Marketing

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

Non - Major Elective Papers

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

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

TALLY TABLE:

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

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

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

JOB ORIENTED COURSES (JOC) -OPTIONAL

Subject code	Title of the Paper	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** Share Trading Operations	100	3	2

CBCS – Choice Based Credit System   ALC – Advanced Learners Course

CIA – Continuous Internal Assessment   ESE – End Semester Examinations

❖ 25% CIA is applicable to all subjects except JOC, ALC, COP and Diploma Courses, which are considered as extra credit courses. Theory and proportion of CIA and ESE for Practical is 40:60

❖ A List of COP, ALC, Diploma, PG Diploma is available in the College Handbook.

Components of Computer Applications to Business - Practical

Break up Marks for CIA and ESE Practical

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

Component for Project

CIA/ESE	Components	Marks
CIA	Project Review	30
	Regularity	10
	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 5 = 25 Marks**

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

SECTION – C   **5 x 08 = 40 Marks**

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

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