KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)
COIMBATORE - 641 029
B.Sc. BOTANY
Curriculum & Scheme of Examination under CBCS
(APPLICABLE TO STUDENTS ADMITTED FROM THE ACADEMIC YEAR (2015-2016)

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

	III	**15UCH3A3**	**Allied – 3 –** Chemistry - 1	5	20	55	**75**	3	**4**
		15UBO4CM	**C. Pr. 2 -** Anatomy and Embryology of Angiosperms	2	-	-	-	-	-
			Allied – Pr. – Chemistry	2	-	-	-	-	
	IV	**15UGA3S1**	Skill based subject –I General awareness	2	25	75	**100**	3	**3**
		15TBT301/ **15TAT301/** **15UHR3N1**	Basic Tamil* / Advanced Tamil**/ Non Major Elective – Human Rights**	2	-	75	**75**	3	**2**
IV	I	**15TML404**	**Part-I–Tamil–IV** / Hindi-IV / French - IV/ Malayalam – IV / Sanskrit - IV	6	25	75	**100**	3	**3**
	II	**15ENG404**	**Part–- II -Lang** – English IV	6	25	75	**100**	3	**3**
	III	**15UBO404**	**C.P.4-** Biostatistics and Biophysics	5	25	75	**100**	3	**4**
	III	**15UCH4A4**	**Allied 4** – Chemistry - 2	5	20	55	**75**	3	**4**
		15UBO4CM	**C. Pr. 2** – Anatomy & Embryology **/** Biostatistics & Biophysics	2	40	60	**100**	3	**2**
		15UCH4AL	**Allied Pr.** Chemistry.	2	20	30	**50**	3	**2**
	IV	**15UBO4S2**	Skill based subject-II Tissue culture concept and applications	2	25	75	**100**	3	**3**
		15TBT401/ **15TAT402** **15UWR4N2**	Basic Tamil*/ Advanced Tamil**/ Non Major Elective – Women Rights**	2	-	75	**75**	3	**2**
V	III	**15UBO505**	**C.P. 5 –** Fundamentals of Computer and Bioinformatics	4	25	75	**100**	3	**4**
		15UBO506	**C.P. 6** - Taxonomy of Angiosperms & Economic Botany	5	25	75	**100**	3	**5**
		15UBO507	**C.P.7** - Cytology, Genetics and Plant Breeding.	4	25	75	**100**	3	**5**
		15UBO508	**C.P. 8** - Plant Ecology, Phytogeography and Resource Conservation	4	25	75	**100**	3	**5**
		15UBO5E1	**Elective – I**	3	25	75	**100**	3	**5**
		15UBO5CN	**C.Pr.3** – Fundamentals of Computer and Bioinformatics	4	40	60	**100**	3	**2**
		15UBO6CO	**C.Pr. 4** - Taxonomy of Angiosperms, Economic Botany, Cytology, Genetics and Plant Breeding, Plant Ecology, Plant Geography and Resource Conservation	4	-	-	-	-	-

	IV	**15UZO/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**
		15UBO610	**C.P.10-** Biochemistry	5	25	75	**100**	3	**5**
		15UBO611	**C.P.11-** Plant Physiology	5	25	75	**100**	3	**5**
		15UBO6CO	**C.Pr. 4-** Taxonomy of Angiosperms, Economic Botany, Cytology, Genetics and Plant Breeding, Plant Ecology, Plant Geography and Resource Conservation		40	60	**100**	3	**2**
		15UBO6CP	**C. Pr. 5** – Horticulture, Biochemistry and Plant physiology	4	40	60	**100**	3	**2**
		15UBO6E2	**Elective- II**	5	25	75	**100**	3	**5**
		15UBO6Z1	Project***	4	20	80	**100**	-	**5**
		15UBO6S4	**Skill based Subject-IV-** Cultivation and Marketing of Medicinal plants	2	25	75	**100**	3	**3**
		15NCC/NSS/ YRC/PYE101	Extension activity *	-	50	-	**50**	-	**1**

C.Pr. 3- FUNDAMENTALS OF COMPUTER AND BIOINFORMATICS

LIST OF PRACTICALS

1. Creating, editing and printing a document in Ms-Word.
2. Creating, editing and printing a table in MS-word.
3. Data entry and chart preparation using Ms-Excel.
4. Creating a presentation in Ms-PowerPoint.
5. Creating and querying the database using MS-ACCESS.
6. Gene prediction using GenMark (HMM).
7. Similarity search using BLASTs.
8. Protein structure prediction using GOR-IV.
9. Phylogenetic analysis using Clustal-X.
10. Bio-Molecular Visualization using RASMOL