				Semester Lecture Plan (Theory)			
Name of th	<mark>e college:</mark> G	<mark>overnme</mark>	ent College of Arts,	Science & Commerce, Sanquelim			
Name of Fa	aculty: Dr Jy	vosna Ga	was		Subject: Bota	any	
Paper code	e: BOC 105			Program/Course: T.Y.B.Sc.	Division: A		
Academic y	year: 2024-2	2025		Semester: V	Total Lectur	es: 60	
with the bas		•	± ``	g with the economically important plants of the families mentioned. Along with class		-	1
Course Ou economical	Itcome: On a ly important	completi plants ar	ion of the course s nd locally available	tudents will be able to understand the morphological terms and use them to identic plants of the families mentioned in the syllabus. Students will know the origin of An	ngiosperms and	how to int	terpret phylogeny.
Course Ou economical	itcome: On o ly important Lectur	completi plants an	ion of the course s nd locally available No. of lectures		Exercise/	how to int	
Course Ou economical Month	Itcome: On a ly important	completi plants ar	ion of the course s nd locally available	plants of the families mentioned in the syllabus. Students will know the origin of An	ngiosperms and	how to int	terpret phylogeny.
Course Ou economical Month June	tcome: On o ly important Lectur From	completi plants an res To	ion of the course s nd locally available No. of lectures allotted	 plants of the families mentioned in the syllabus. Students will know the origin of An Topic, subtopic to be covered Morphology of Angiosperms - Definition, Characteristics and functions; different 	Exercise/ Assignment Read about	how to int ICT tools Chalk	Reference books Plant Taxonomy and
Course Ou	tcome: On of the second	completi plants an res To 29 th	ion of the course s nd locally available No. of lectures allotted 2	 plants of the families mentioned in the syllabus. Students will know the origin of An Topic, subtopic to be covered Morphology of Angiosperms - Definition, Characteristics and functions; different types and modifications of tap and fibrous roots Different types and modifications of adventitious roots; Stem – branching types 	Exercise/ Assignment Read about other morphologi	how to int ICT tools Chalk and board;	Reference books Plant Taxonomy and Biosystematics by C.

	22 nd	27 th	4	Inflorescence types; Flower- parts, functions of different parts of the flower		Taxonomy of
July/August	27 th	3 rd	4	Symmetries, characters, types, Aestivation types; Fruit - types: Simple, Aggregate;	1	Vascular Plants by
				ISA-1		G. H. M Lawrence
August	5 th	10 th	4	Multiple; Seeds - different types; Systematic position (Bentham and Hookers	1	
				classification), Diagnostic features and important ornamental/ economical/		Plant systematics:
				medicinal species of family - Annonaceae		Theory and Practice
	12 th	17 th	3	Diagnostic features and important ornamental/ economical/ medicinal species of	-	by G Singh
				the following families: Capparidaceae, Brassicaceae, Tiliaceae, Rutaceae		
	19 th	24 th	4	Diagnostic features and important ornamental/ economical/ medicinal species of	-	Taxonomy of
				the following families: Leguminosae - Caesalpiniaceae, Papilionaceae,		Practical Botany-II
				Mimosaceae, Myrtaceae		by A. M. Bendre &
	26 th	31 st	4	Diagnostic features and important ornamental/ economical/ medicinal species of	-	A. Kumar
				the following families: Cucurbitaceae, Rubiaceae, Apocynaceae, Asclepiadaceae		
September	2^{nd}	7 th	3	Diagnostic features and important ornamental/ economical/ medicinal species of	-	
				the following families: Verbenaceae, Amaranthaceae, Moraceae, Orchidaceae		
	9 th	14 th	1	Diagnostic features and important ornamental/ economical/ medicinal species of	-	
				family - Araceae		
	16 th	21 st	3	Diagnostic features and important ornamental/ economical/ medicinal species of	-	
				the following families: Arecaceae, Musaceae, Commelinaceae		
	23 rd	28 th	4	A general account with special reference to Bennettitalean, Gnetalean,	-	
				Caytonialean and Herbaceous origin theories; ISA-2		
Sept/Oct	30 th	5 th	4	Primitive living angiosperms; evolution of flower; co-evolution of flowers and	-	
				insects.		
October	7 th	12 th	3	Terms and concepts (primitive and advanced, homology and analogy, parallelism	-	
				and convergence, monophyly, Paraphyly, polyphyly and clades)		
	14 th	19 th	4	Methods of illustrating evolutionary relationship (phylogenetic tree, cladogram)	-	
	21 st	22 nd	2	Revision	-	

* Assessment Rubrics

Component	Max Marks
ISA 1	10
ISA 2	10
Practical	NA
Project	NA
Semester End Exam	80