

Even Semester – 2021-2022

Teaching Plan

A. General Information:

Name of the faculty	: Dr.J.Sundari
Department	: Botany
Programme	: I – B.SC., Zoology
Name of the Paper	: Allied Botany Paper - III
Programme code	: BWA3
Lecture Hours	: 60

B. About the course :

Course objectives	Course outcomes	Teaching Methodology
<ul style="list-style-type: none">• Understand the classification of Bentham and Hooker's system.• Study the internal structure of stem, root and various tissues.• Understand the various types of horticultural practices• To make the students aware of basic concepts in morphology, taxonomy, anatomy and embryology.• To help students for acquiring skills to	<ul style="list-style-type: none">• Understand the classification of Bentham and Hooker's system.• Understand morphological and reproductive characters different plant families.• Plant anatomy and embryology are much awaited subject to study the internal structures and function of reproductive organs in plants.• To understand the role of cell structure in plant development• To understand the basic principles and applications of Horticulture	<p>Methodology adopted are</p> <ul style="list-style-type: none">• Chalk & Talk method• Power Point ,• LCD• e – Module• Lecture method• Discussion• Assignment ,• Drawing mode method• Seminar

engage themselves in self-employment through horticulture and landscaping.		
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C. PLAN OF THE WORK

Unit /Modules	Topic to be covered	Proposed Date	Lecture Hours	Practical Hours	Remarks
Unit -1	Inflorescence types - racemose Cymose and mixed special types, cyathium Hypanthodium, verticillaster and thyrus. Technical description of flower and floral diagram.	21.02.2022 To 03.03.2022	3 hrs 3 hrs 3 hrs 3 hrs	3 hrs	-
Unit - 2	General outline of Bentham and Hooker's system of classification Study of the range of characters and Economic importance Annonaceae Rutaceae Rubiaceae Solanaceae, Euphorbiaceae and Poaceae	04.03.2022 To 30.03.2022	2 hrs 2 hrs 2 hrs 2 hrs 2 hrs	3 hrs	-
Unit -3	Tissues - simple and complex Primary structure of dicot stem Root and leaf Secondary thickening in dicot stem.	31.03.2022 To 21.04.2022	3 hrs 3 hrs 3 hrs 3 hrs	3 hrs	-
Unit -4	Structure of mature anther Pollen grain development of male gametophyte Structure	27.04.2022	2 hrs	3 hrs	

	of mature ovule Development of female gametophyte 8 Sac Embryo nucleate (<i>Polygonum</i> type only), and fertilization	To 12.05.2022	2 hrs 3 hrs 3 hrs 2 hrs		-
Unit - 5	Horticulture: scope and importance propagation methods - cutting, layering Grafting techniques gardening and landscaping Irrigation methods, anures, lawns Indoor plants, bonsai techniques.	13.05.2022 To 25.05.2022	2 hrs 3 hrs 2 hrs 2 hrs 2 hrs 1 hrs	3 hrs	

Activities Name	Details
Test	18.03.2022, 24.03.2022, 30.04.2022
Assignment	26.03.2022, 09.04.2022, 29.04.2022
Quiz	11.04.2022, 04.05.2022, 20.05.2022
Seminar	12.04.2022, 02.05.2022, 20.05.2022
Tutor ward meeting	Monthly once

PRINCIPAL

Principal
A.D.M. College For Women
Autonomous, Nagapattinam.