

ODD 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 - 1
Programme code	: BWA1
Lecture Hours	: 60

B. About the course :

Course objectives	Course outcomes	Teaching Methodology
<ul style="list-style-type: none">• To enable the students to understand the character and life cycle of Algae• Know the characters of Bryophytes, pteridophytes and gymnosperms• To expose the diversity of plant kingdom and their salient features• To acquire skills for engaging themselves in self-employment especially in the broad field of Mushroom Culture.• To expose various avenues of opportunities in the field of plant biotechnology considering its recognition, importance and utility value.	<ul style="list-style-type: none">• To enable the students to understand the character and life cycle of Algae• Understand the various forms of Fungi• To get knowledge about classification, mode of reproduction, stellar evolution of pteridophytes and detailed study of some genera.• Basic understanding of the physiological mechanisms of plants.• To understand the factors influencing the mushroom cultivation and post harvesting.	Methodology adopted are <ul style="list-style-type: none">• Chalk & Talk method• Power Point ,• LCD• e – Module• Lecture method• Discussion• Assignment ,• Drawing mode method• Seminar

C. PLAN OF THE WORK

Unit /Modules	Topic to be covered	Proposed Date	Lecture Hours	Practical Hours	Remark
Unit -1	Nostoc, Chlorella Oedogonium Ectocarpus Polysiphonia Albino Penicillium.	22.09.2021 to 29.09.2021	2 hrs 2 hrs 2 hrs 2 hrs	3	-
Unit – 2	Riccia Polytrichium Lycopodium Cycas	30.09.2021 to 06.10.2021	3 hrs 3 hrs 3 hrs 3 hrs	3	-
Unit -3	Absorption of water. Photosynthesis – Light (Cyclic and Non cyclic) Photosynthesis –dark reaction (Calvin cycle). Respiration Plant movements.	11.10.2021 to 30.10.2021	2 hrs 3 hrs 3 hrs 2 hrs 2 hrs	3	-
Unit -4	Mushroom: nutritive value and importance of mushrooms. Cultivation of Oyster mushroom spawn preparation reservation of mushrooms Mushrooms recipes	01.11.2021 to 25.12.2021	2 hrs 3 hrs 3 hrs 2 hrs 2 hrs	3	-
Unit - 5	Plant tissue culture - basic principles M.S. medium preparation, Callus culture Regeneration	30.11.2021 to 24.12.2021	3 hrs 3 hrs 3 hrs 3 hrs	3	-

Activities Name	Details
Test	25.10.2021 02.11.2021, 25.11.2021
Assignment	30.09.2021, 12.10.2021, 22.10.2021
Quiz	27.09.2021, 13.10.2021
Seminar	28.09.2020, 18.10.2021, 23.11.2021
Tutor ward meeting	Weekly once



PRINCIPAL

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