



St. Mary's College (Autonomous)
Reaccredited with 'A+' Grade by NAAC (Cycle IV)
Thoothukudi



Criterion: I – Curricular Aspects
1.1 – Curriculum Design and Development
Year: 2018-2023

Programme: B. Sc. Botany

Semester III			
Core Skilled Based– Horticulture and Plant breeding			
Code:18UBOS31	Hrs/week:4	Hrs/Semester : 60	Credit : 4

Course Outcome:

CO.No.	Upon completion of this course, students will be able to	PSO Addressed	CL
CO-1	explain the various divisions of horticulture and importance	1	Un
CO-2	design a landscape and interiorscape project	8	Re
CO-3	apply concept of horticulture science to select, manage and improve plants and their production	7	An
CO-4	demonstrate employability skills in the field of horticulture	6	Re
CO-5	equip the skill in landscaping, gardening and floriculture and enhance sense of beautification and aesthetic values	6	Un
CO-6	demonstrate an understanding of basic plant breeding facts and principles	1	Cr
CO-7	integrate knowledge from different areas into crop improvement problems	1	An
CO-8	describe various selection techniques and methods that can be used in genetic improvement of self and cross pollinated crops	6	Ap

SEMESTER - III**Self Study (Optional)****Organic Farming****Code: 18UBOSS1****Credits: 2****Course Outcome:**

CO.No.	Upon completion of this course, students will be able to	PSO addressed	CL
CO-1	to understand overall perspective on organic farming.	7	Un
CO-2	to realize the advantages of traditional organic farming over modern system of organic farming	4, 7	An
CO-3	to identify and formulate mechanical and biological managements of insects/pests/ weeds.	8	An
CO-4	to prioritize good water management system, fertilizer choices and application	7	Un
CO-5	to recognize the importance of composting and bio fertilizers over chemical fertilizers.	7	Ev
CO-6	to understand and implement crop protection methods of fruits and vegetables	4, 6	Un
CO-7	to follow the certification of their produce	6	Ap
CO-8	to enhance self employability and improve their economy	6	Ap

SEMESTER IV**Core Skill Based****Herbal health care products****Code: 18UBOS41****Hrs/week: 4****Hrs/Semester:60****Credit: 4****Course Outcome:**

CO.No.	Upon completion of this programme, students will be able to	PSO Addressed	CL
CO-1	recognize and identify the common herbs	1	Un, An
CO-2	perceive knowledge on common herbs and use of herbal products safely.	1, 6	Re
CO-3	know how to integrate knowledge of raw materials to formulate herbal products.	3	Un
CO-4	acquire the skills to establish and maintain an effective herbal practices.	8	Cr
CO-5	formulate and use herbal remedies for personal health and wellness	4,6	Cr
CO-6	develop herbal products for a homespun herbal products business	6,8	Ap
CO-7	to create optimum awareness and interest amongst the common people about medicinal plants	6	Ap
CO-8	to develop awareness for utilization of herbal medicines for home remedies.	6,7	An

SEMESTER - III**Skill Based Elective****Horticulture****Course Code: 21UBOS31****Hrs/week: 2****Hrs/Semester: 30****Credits: 2****Course Outcomes:**

CO. No.	Upon completion of this course, students will be able to	PSO Addressed	CL
CO-1	explain the various divisions of horticulture and importance.	1	Un
CO-2	design a landscape and interior scope project.	8	Cr
CO-3	apply the concept of horticulture science to select, manage, improve plants and their production.	6	Ap
CO-4	demonstrate employability skills in the field of horticulture	6	Ap
CO-5	equip the skill in gardening and floriculture to enhance sense of aesthetic appreciation.	6	An
CO-6	synthesize and integrate information to solve horticultural problems.	4	Ap

SEMESTER - IV**Skill Based Elective Organic Farming and Biofertilizer****Course Code: 21UBOS41****Hrs/Week 2****Hrs/Semester 30****Credits: 2****Course Outcomes:**

CO.No.	Upon completion of this course, students will be able to	PSO addressed	CL
CO-1	understand overall perspective on organic farming.	2,7	Un
CO-2	realize the advantages of traditional organic farming over modern system of farming	4 , 6	An
CO-3	identify and formulate mechanical and biological managements of insects/pests/ weeds.	4	An
CO-4	recognize the importance of composting and bio fertilizers over chemical fertilizers for soil sustainability	2,7	Ev
CO-5	understand and implement crop protection techniques of fruits and vegetables	4, 6	Un
CO-6	know the process of food certification and to assess the socioeconomic benefit of organically grown foods and enhance self employability and improve their economy	6	Ap

Louis Rose
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