

POST GRADUATE DEPARTMENT OF BOTANY (S.F)
DEVA MATHA COLLEGE, KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



Syllabus

ADD-ON COURSE

In

Horticulture [DMCK/SFBOT/AD 36/2021]

Academic Year: 2021-22



DEVA MATHA COLLEGE KURAVILANGAD

DEPARTMENT OF BOTANY SELF FINANCE

Add on Courses offered for Students:2021-2022

***IIPG – Botany In Every Day Life - 22**

- for PG Students

DMCK/ SFBOT /AD 35/2021

***IPG-Horticulture-18**

DMCK/ SFBOT /AD 36/2021

Department Coordinator: Ms.Sreekutty Sreedharan

Title	: Horticulture
Instructional Hours:	: 30 hrs
Duration:	: 3 Months
Mode of Instruction	: Offline
Intake Capacity	: One Batch [25 Students]
Eligibility	: + 2

The specific objectives of the training workshop were to familiarize or refresh participants' knowledge about the basic concepts, principles, components and approaches to the flower arrangement and bouquet making, Highlight the importance of horticulture and benefits and provide guidelines to the participants about horticulture and flower arrangement. Certificates are distributed to the successful participants.

Objectives

- Demonstrate a working knowledge and appreciation of the diversity of plants, their culture and utilization.
- Apply horticultural principles to the successful growth and production of horticultural plants.
- Demonstrate the knowledge, skills and attributes to be successful contributing members of the horticulture profession.
- Recognize and apply ethical professional practices to horticultural applications.
- Synthesize and integrate information to solve horticultural problems.

Add on course : Horticulture [I PG]2021-2023 BATCH Syllabus

[Theory – 17 hrs]

Module 1 – Introduction to Horticulture [1 hr]

Module 2– Modern Trends in Gardening [2 hrs]

- a. Indoor gardening - Preparation of Indoor garden
- b. Vertical gardening - Preparation of Vertical garden

Module 3 - Flower arrangements [5 hrs]

- a. Fresh flower arrangements - Essentials in flower arrangement, Principles of flower arrangement, Equipments for flower arrangement, Floral Arrangement Styles
- b. Dry flower arrangements - Materials for dried arrangement, Advantages of dried arrangement over fresh flowers

Module 4 - Modern Trends in Horticulture [3 hrs]

- a. Terrarium - Types of Terrarium, Preparation of a Terrarium and its steps, Maintenance of the terrarium, Plants suitable for terrarium
- b. Bonsai – Making, Caring and styles of bonsai

Module 5 - Propagation methods [6 hrs]

- a. Layering - Ground layering, Compound layering, Tip layering, Air layering, Trench Layering and Mound layering
- b. Budding - T-Budding, Inverted T-Budding and Patch Budding.

- c. Grafting - Whip and Tongue grafting, Wedge grafting, Crown grafting, Side grafting and Approach grafting

[Practical - 13 hrs]

- a. Preparation of fresh flower arrangements
 - i. All-round arrangement
 - ii. Facing arrangement
 - iii. Mass style
 - iv. Line Arrangements
 - v. TriangularArrangement
 - vi. Crescent Arrangement
 - vii. ‘S’ shaped flower arrangement
- b. Preparation of dry flower arrangements
- c. Preparation of a Terrarium
- d. Propagation methods – Layering, Budding and Grafting

Course outcome

- CO1: The study of scope and importance of horticulture, division of horticulture, classification of horticultural plants, brief note on some families of horticultural importance
- CO2: Complete knowledge about Scope and importance of commercial floriculture
- CO3: awareness of basics of ornamental and landscape gardening
- CO3: aware with the mechanism of Pest and Disease Management of Horticultural Crops

Assessment criteria

Mark	Grade
8-10	A
6-7	B
4-5	C
2-3	D
0-1	E



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