DEPARTMENT OF BOTANY

ST JOHN'S COLLEGE ANCHAL

Add-On Course

PLANT PROPAGATION TECHNIQUES: SEED PROPAGATION, VEGETATIVE PROPAGATION AND MICROPROPAGATION

Course Duration: 30hrs **Eligibility: UG Students**

Date of Commencement

Course Coordinator
Dr Kavitha C H

The add on course covers the propagation of plants that have implications on commercial, medicinal and other diverse fields. The course comprehensively covers all means of plant propagation such as seed propagation, vegetative propagation and

For further queries please contact the Course Coordinator

COURSE SUMMARY REPORT
2021-2022

Name of Course	**ADD-ON COURSE: Plant propagation techniques: Seed propagation, Vegetative propagation and Micropropagation**
Course Duration	30 Hours
Department offering the Course	Department of Botany
Faculty In Charge	Dr. Kavitha C H
Number of Students Enrolled	40
Start Date & End Date	05/01/2022 to 26/02/2022

coordinated by the Department of Botany, St John's College, Anchal. The add on course covers the propagation of plants that have implications on commercial, medicinal and other diverse fields. The course comprehensively covers all means of plant propagation such as seed propagation, vegetative propagation and micropropagation. The course had a well-defined syllabus and was approved by the 1QAC. The add on course was coordinated by Dr Kavitha C H Assistant Professor, Department of Botany. The course was properly planned and organised to provide maximum support to students during their learning process. The course duration was 30 hours. 40 students enrolled for the program. The course started on **05/01/2022** and ended on **26/02/2022**. During the end of course, an exit examination was conducted. All students wrote the examination. Final assessment was done based on the marks secured by them during the written and practical examination. All students passed in the examination. Certificates were also provided to them after the successful completion of the course.

Course Coordinator

Principal

PRINCIPAL
St. John's College
Anchal-691 306.

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ADD-ON COURSE (2021-2022)

Name of Course	**Plant propagation techniques: Seed propagation, Vegetative propagation and Micropropagation**
Course Code	BOT.A21.1
Department offering the Course	Department of Botany
Course Duration	30 Hours
Faculty In Charge	Dr Kavitha C H

Course Title:

BOT.A.21.1 Plant propagation techniques: Seed propagation, Vegetative propagation and Micropropagation

The add on course covers the propagation of plants that have implications on commercial, medicinal and other diverse fields. The course comprehensively covers all means of plant propagation such as seed propagation, vegetative propagation and micropropagation.

Course Objectives:

1. Understand the principles and implications of plant propagation.
2. Understand the different modes of plant propagation.
3. Identify the merits and demerits of each mode of plant propagation
4. Apply the knowledge on plant propagation on day-to-day life.

Course Outcomes: At the end of the course, students should be able to:

- Acquire knowledge on plant propagation.
- Identify suitable method of plant propagation with respect to requirements.
- Recognise the role of plant propagation on day-to-day life

Assessment and Certification:

- Practical assessment: Participants will be evaluated based on their ability to carr over any artificial propagation method.
- Written test: A written exam covering the theoretical knowledge learned during the course.
- Course completion certificate.

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Syllabus

MODULE	TITLE	CONTENT	HOURS
1	**Introduction to Plant propagation**	Scope, and definition of Plant propagation.	2
2	**Seed propagation**	Pollination, seed, Structure of seed, Seed dormancy, Seed germination, merits and demerits of seed propagation	5
4	**Vegetative propagation**	What is vegetative propagation, Modes of vegetative propagation: cutting, layering, grafting, merits and demerits of vegetative propagation	12
6	**Micropropagation**	Totipotency, Micropropagation, Tissue culture medium, subculture, hardening merits and demerits of micropropagation	8
7	**Importance and Implications of Plant propagation**	Importance and Implications of Plant propagation with respect to mankind and environment	3

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