



## RESOLUTION

It is resolved that the Department of Sericulture unanimously decided, to conduct a 30 days certificate course in ***Raising of Mulberry Nursery*** for II Year B.Sc (CZS) students of this college. The course schedule will be from 01-04-2023 to 15-05-2023. After successful completion of course an Quiz and assignments should be conducted ***Raising of Mulberry Nursery*** in Theory and practical and distribution of certificates to the students. The course syllabus is attached to this copy.

Department of Sericulture

## **DEPARTMENT OF SERICULTURE**

### **CERTIFICATE COURSE**

**ON**

## **Raising of Mulberry Nursery**

Department of Sericulture prestigiously introduced 30 days of certificate course in Raising of Mulberry Nursery. This course may be useful for students will get more knowledge about Raising of Mulberry Nursery is Multiplication of promising mulberry variety is done by raising saplings in nursery through cuttings.

### **OBJECTIVES**

- To identify suitable soil and climate for mulberry cultivation
- Select suitable methods of preparation of land and plantation.
- To know the Mulberry genotypes and recognize different Mulberry Varieties
- Explain the different methods of Mulberry propagation
- Demonstrate the method of preparation of nursery
- To know the Package of practices in raising of Mulberry Nursery
- To know the income generation and self employability through Mulberry

### **OUTCOME**

At the Successful completion of this course/project Students will be able to learn and gain practical Knowledge

- Students will understand the factors affecting the need to find sustainable practices for production of mulberry.
- Students will understand how the environment influences plant growth and Development.
- Students will understand how to propagate the mulberry and their management.
- Students will gain knowledge on package of practices in mulberry nursery management.
- Student will be able to identify different diseases & pest Mulberry Nursery, they got experience in Disease and pest.
- After completing the project student learnt how to generate income and self employability through Mulberry Nursery

**Course Name** : RAISING OF MULBERRY NURSERY  
**Course Duration** : 30 Days  
**Schedule** : 30 Hrs  
**No.of Participants** : 20  
**Name of the faculty:** B.SUNITHA & M.SANTHOSHI KUMARI

## SYLLABUS

### **Unit-I Preparation of Mulberry Nursery**

Selection of site and land & climatic conditions-Preparation of land, Preparation of Nursery  
Selection of Mulberry genotypes, Preparation of Planting material.

### **Unit-II Raising of Mulberry**

Types of plantation-Pit/method, Row system, Paired row System- Planting Systems-Methods  
of Propagation-Stem cutting, Grafting & Budding, Layering-Irrigation.

### **Unit-III Mulberry Nursery Management**

Factors of soil for mulberry growth- Irrigation management-Weeding, Prevention& control  
Measures-Nutrient management- Pest and Diseases in Mulberry nursery, Integrated pest and  
Disease Management- Economics of Mulberry Nursery.

### **Unit-IV PHYSIOLOGY & GROWTH OF MULBER**

Brief Account of Photosynthesis Chemical Composition of Mulberry leaf, Growth regulating  
substances and their application in improvement of mulberry

## **TIME TABLE: SYLLABUS & ACTION PLAN**

<b>S.NO</b>	<b>DATE/DAY</b>	<b>TOPICS COVERED</b>	<b>Hoursrequired</b>
1	01/04/2023	Introduction and scope of Moriculture	1
2	03/04/2023	Introduction of package of practices in mulberry Nursery	1
3	04/04/2023	Selection of ecological requirements,	1
4	05/04/2023	Land & site selection	1
5	06/04/2023	Preparation of land	1
6	10/04/2023	Selection of Mulberry genotypes	1
7	11/04/2023	Quiz on Mulberry genotypes	1
	12/04/2023	Preparation of Planting material	1
9	13/04/2023	Types of plantation-Introduction	1
10	15/04/2023	Pit/method, Row system, Paired row System	1
11	17/04/2023	Planting Systems	1
12	18/04/2023	Methods of Propagation	1
13	19/04/2023	Stem cutting	1
14	20/04/2023	Preparation of cuttings from V1 & G2 Mulberry varieties	1
15	21/04/2023	Grafting & Budding Methods of mulberry	1
16	24/04/2023	Layering	1
17	25/04/2023	Hand experience on grafting methods of mulberry in garden	1
18	26/04/2023	Irrigation management	1
19	27/04/2023	Test on methods of mulberry propagation	1
20	23/04/2023	Factors of soil for mulberry growth	1
21	29/04/2023	Irrigation management-Weeding	1
22	01/05/2023	Nutrient management	1
23	02/05/2023	Pest and Diseases in Mulberry nursery	1
24	03/05/2023	Brief Account of Photosynthesis	1
25	04/05/2023	Chemical Composition of Mulberry leaf	1
26	05/05/2023	Growth regulating hormones	1
27	06/05/2023	Economics of Mulberry Nursery	1
28	07/05/2023	Group discussion on mulberry growth parameters	1
29	08/05/2023	Field visit on mulberry kisan nursery – KUTUGULLA	1
30	09/05/2023	Certificate distribution	1

## Activities about Mulberry Nursery



Preparation of land



Selection of Planting Material



## Preparation of Planting material



## Preparation of Nursery



## Plantation



## Irrigation





**STSN GOVT DEGREE & P.G.COLLEGE, KADIRI,  
DEPARTMENT OF SERICULTURE  
ASSEMENT EVALUATION FOR CERTIFICATE COURSE**

TIME : 2hrs  
MARKS: 50.

**I Answer any Four of the following question?**

**4x5-20Mark**

1. Mulberry genotypes
3. Row system
4. Layering
5. Integrated Weed Management
6. Stem canker of Mulberry

**II Answer any Three of the following question?**

**3x10:30 Marks**

1. Explain about Plantation methods of Mulberry cuttings?
2. Write notes on Mulberry propagation through Cuttings?
3. Write about the Growth Regulators of Mulberry?
4. Explain Economics of Mulberry Nursery?



**DEPARTMENT OF SERICULTURE*****Certificate Issue Register***

<b>S.NO</b>	<b>REGISTER NUMBER</b>	<b>STUDENT NAME</b>	<b>GROUP</b>	<b>SEMESTER</b>
1	2142005622002	B.MAHESH	BSc-CZS	IV
2	2142005622005	J.APARNA	BSc-CZS	IV
3	2142005622006	J.MANOHAR	BSc-CZS	IV
4	2142005622008	K.THARUN NAIK	BSc-CZS	IV
5	2142005622009	K.SURESH BABU	BSc-CZS	IV
6	2142005622014	M.MANASA	BSc-CZS	IV
7	2142005622016	N.BHAVANI PRASAD	BSc-CZS	IV
8	2142005622017	O.YAMUNA	BSc-CZS	IV
9	2142005622018	P. DEVENDRA	BSc-CZS	IV
10	2142005622019	P. CHANDANA	BSc-CZS	IV
11	2142005622020	P.ABUBAK SIDDIK	BSc-CZS	IV
12	2142005622022	P. VEERA PRASAD	BSc-CZS	IV
13	2142005622024	P.SAI V INAY	BSc-CZS	IV
14	2142005622025	R.BALAJI NAIK	BSc-CZS	IV
15	2142005622031	S.DURGA PRASAD	BSc-CZS	IV
16	2142005622033	U.GIRISH	BSc-CZS	IV
17	2142005622034	U. KIRAN BABU	BSc-CZS	IV
18	2142005622036	Y. SURESH	BSc-CZS	IV
19	2142005622037	Y. RAJU	BSc-CZS	IV
20	2142005622038	Y. BABU	BSc-CZS	IV



**DEPARTMENT OF SERICULTURE**

*Certified that this is the bonafide Certificate course on*  
**Raising of Mulberry Nursery** *Done by a batch of I ZSC students in the*  
**DEPARTMENT OF SERICULTURE, STSN GOVE DEGREE COLLEGE, KADIR)**  
*during 2022-23*

**Guided by**

**M.Santhoshi kumari**  
**B.Sunitha**

# ISSUE OF CERTIFICATE



