

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya
Ramanandnagar (Burli)

Department of Botany

**SHORT TERM COURSE : NURSERY
MANAGEMENT**

2023-24

Rayat Shikshan Sanstha's
2023-24

Name of College: - Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)
Department: - Botany

Short Term Course
Name of Course: - “Nursery Management”
(Duration 90Hours)

**Total Credits 4:- 1 Credit = 15 Hours of Theory and one 1 Credit = 30
Hours of Practical**

Objectives

- 1) To know various techniques of nursery.
- 2) To identify principles and practices of nursery management.
- 3) To deal with the process of commercial production of plants.
- 4) To establish own nursery business and provide employment.

Theory Syllabus (30 Hrs. = 2 Credits)

Topic	Theory Hrs.	Total Hrs.
<u>1. Basics in Plant propagation & Horticultural crops and Plant protection measures</u> ● Unit I-Introduction: Overview of Horticulture, Branches of Horticulture, Carrier in the horticulture especially with reference to nursery management. ● Unit II- Garden Tools and Implements: Axe, crowbar, Hoe, Hosepipe, knives, labels, Lawnmower, Pickaxe, pruning shear, Saw, Secateurs, Sieve, spade and Shovel , Sprinklers / rain-birds, Sickle, Sword, Trowel, Watering can, pots / containers. ➤ Unit III. Soil and its preparation: Physical texture and composition of soil, soil types, soil pH, preparation of beds and preparation of soil mixtures / garden soil. ▪ Unit IV Tpes of Horticultural Plants- Annuals, Perennials, climbers, shrubs and trees (at least two examples with morphology and horticultural use and applications from each type).	15	15
<u>2. Plant Propagation :</u> Unit I : Introduction: Concept and history of plant propagation, Classifications of plant propagation methods, Choice of propagation methods.	15	15

Unit II : Artificial Propagation: Propagation by modified /Specilized vegetative structures/organs- Bulb, Tubers, root, stem corm, Rhizome, runner, offset, suckers etc		
Practical Syllabus (60 Hrs.= 2 Credit)		
List of Practical		
Practical	Practical Hrs.	Total Hrs.
Practical 1: Study of Garden Tools and Implements. Practical 2: Study of soil texture and pH. Practical 3: Study of fertilizers, organic manures & substrates. Practical 4: Preparation of soil mixture for potting. Practical 5: Preparation of pot for potting. Practical 6 : Preparation of beds for raising seedlings. Practical 7: Demonstration of nursery Pot filling / polybag filling Practical 8: Transplantation of nursery seedlings / samplings. Practical 9 : Study of Horticultural Crops. Practical 10 : Study of Propagating Structures and Equipment's Practical 11 : Use of plant propagation Media. Practical 12 : Study of methods to break seed dormancy. Practical 13 : Study of specialized / modified vegetative structures for propagation. Practical 14 : Propagation of plants by specialized / modified plant parts Practical 15 : Study of Propagation by stem cutting. Practical 16 : Study of Propagation by layering. Practical 17: Study of propagation by grafting. Practical 18: Study of propagation by budding. Practical 19: Plant protection measures for nursery plants Practical 20 : Visit to nursery to observe practices in propagation.		60
Total - 90 Hours	Theory 30 Hrs.	Practical 60 Hrs.

- **Fee Structure – 200 rs per Student**
- **Total Students – 20**
- **Course Duration – 3 Month**

• **Learning Outcomes:-**

- 1) Understand basics in Nursery management.
- 2) Know various techniques of propagation.
- 3) Set Nursery business management

• **References :-**

- 1) Basics of Horticulture -Naya Prokash. Peter KV. New India Publ. Agency (2008)
- 2) Mist Propagation. - Singh SP. Metropolitan Book Co. (1989)
- 3) Plant Propagation – Principles and Practices Hartmann HT & Kester DE.. Prentice Hall of India. Bose TK, (1989)
- 4) Propagation of Horticultural Crops - Rajan S & Baby LM. New India Publ. Agency. (2007)
- 5) Fruit Crops - Radha T & Mathew L. New India Publ. Agency. (2007)

• **Board of Studies :-**

Sr.No	Name	Designation	Mobile No	e-mail
1	Ms. A. B. Mamlayya	Head of Department	7410781096	anumamlayya@gmail.com
2	Ms. A. B. Mamlayya	Chief Co-ordinator	7410781096	anumamlayya@gmail.com
3	Mr. A. B. Mamlayya	Short Term Course Co-ordinator	7410781096	anumamlayya@gmail.com
4	Mr. D. P. Gawari	Placement Officer	9960343569	gawaridhanesh@gmail.com
5	Dr. Jagtap Anil	Expert From Respective Field	9890778246	anildada11@gmail.com

- **Examination Pattern :-** Theory Examination: 50 Marks
Practical Examination: 50 Marks

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)

Department of Botany

NOTICE

2023-24

25/08/2023

All the students of B.Sc.II (Botany) are hereby notified that the theory & practical of Short Term Course in “Nursery Management” as per time-table are going to start from 01/09/2023. It is compulsory to all students.


Head of Dept.
Department of Botany
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)




Principal,
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Botany

Short Term Course – Time Table

2023-24

Sr. No.	Day	Time	Theory/ Practical	Name of the Teacher
1	Friday	09:00am to 11:00am	Theory	Ms. A.B.Mamlayya
		02:30pm to 05:00pm	Practical	Ms.S.W.Wagh
2	Saturday	09:00am to 11:00am	Theory	Ms.S.W.Wagh
		02:30pm to 05:00pm	Practical	Ms.A.B.Mamlayya


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Rayat Shikshan Sanstha's
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Short Term Course : Nursery Management

Roll Call

2023-24

Sr.no.	Roll No	Name of Students
01.	1701	CHAVAN KRANTI JOTIRAM
02.	1702	HENDRE SHIVTEJ UDAY
03.	1703	JADHAV PRUTHVIRAJ ANIL
04.	1704	KAMBALE SAKSHI PRABHAKAR
05.	1705	KAMBLE OMKAR KISAN
06.	1706	MAHIND RUSHIKESH RAMBHAU
07.	1707	SATHE VISHAL PANDIT
08.	1708	SHAIKH SAHIL MOULALI
09.	1710	DAMAME SANIKA MOHAN
10.	1711	KADAM NIKITA SATISH
11.	1712	NADAF ANISA RASHID
12.	1713	NALAGE RUTUJA RAMACHANDRA
13.	1714	PAWAR PRANALI BAPURAO
14.	1715	SHIKHARE VAISHNAVI SATYAWAN
15.	1716	BHILAR SAURABH SHARAD
16.	1717	BHOSALE PRATHAMESH LAXMAN
17.	1718	JADHAV GANESH DHANAJI
18.	1719	JADHAV PRATHMESH DHANAJI
19.	1720	LOKHANDE ADITYA RAVIRAJ
20	1721	MANGAVE DEVGONDA CHANDRAKANT



Rayat Shikshan Santha's
Dr.Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)
Department – Botany
Short Term Course
2023-24
Exam Notice

Date : 19/12/2023

Students of Short Term Course “**Nursery Management**” are hereby informed that your examination will be conducted on 22/12/2023.

Time table is as follows:

Exam :STC -Nursery Management

Date: 22/12/2023

Time : 11.00 am to 1:30 pm

Place : C107


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Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya , Ramanandnagar (Burli)

Department of Botany

Short Term Course

“Nursery Management”

Result 2023-24

Sr. no.	Roll No	Name of Students	Marks obtained out of 50(Theory)	Marks obtained out of 50(Practical)	Total Marks obtained out of 100
1.	1701	CHAVAN KRANTI JOTIRAM	37	46	83
2.	1702	HENDRE SHIVTEJ UDAY	36	42	78
3.	1703	JADHAV PRUTHVIRAJ ANIL	40	42	82
4.	1704	KAMBALE SAKSHI PRABHAKAR	35	42	77
5.	1705	KAMBLE OMKAR KISAN	36	40	76
6.	1706	MAHIND RUSHIKESH RAMBHAU	42	42	84
7.	1707	SATHE VISHAL PANDIT	42	44	86
8.	1708	SHAIKH SAHIL MOULALI	42	44	86
9.	1710	DAMAME SANIKA MOHAN	44	42	86
10.	1711	KADAM NIKITA SATISH	42	40	82
11.	1712	NADAF ANISA RASHID	42	40	82
12.	1713	NALAGE RUTUJA RAMACHANDRA	42	42	84
13.	1714	PAWAR PRANALI BAPURAO	40	40	80
14.	1715	SHIKHARE VAISHNAVI SATYAWAN	40	42	82
15.	1716	BHILAR SAURABH SHARAD	42	44	86
16.	1717	BHOSALE PRATHAMESH LAXMAN	44	44	88

17.	1718	JADHAV GANESH DHANAJI	44	44	88
18.	1719	JADHAV PRATHMESH DHANAJI	38	44	82
19.	1720	LOKHANDE ADITYA RAVIRAJ	40	42	82
20.	1721	MANGAVE DEVGONDA CHANDRAKANT	40	44	84

Ans
Head of Dept.
Department of Botany
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)



P.K.
Principal,
Dr. Patangrao Kadam Mahavidhyalaya,
Ramanandnagar (Burli)
Tal. Palus, Dist. Sangli.

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)
(Short Term Course)

“Nursery Management”

Report
2023-24

The Short Term Course entitled Nursery Management is conducted by Department of Botany Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli). The main objective of this short term course is to know various techniques of nursery and to establish own nursery business and provide employment. This course started for the SY.B.Sc. students for their basic knowledge and identify principles and practices of nursery management, to deal with the process of commercial production of plants. Nursery management is now a need of hour. It provides conservation of plants and processes aesthetic value. After the completion of certificate skill development course student can be able to propagate the plants in nursery. Number of beneficiaries are 20 students for this academic year . Duration of this course is three months. We teach the students for basics in plant propagation, horticultural crops and plant protection measures, plant propagation, artificial propagation

The Examination conducted in the month may. Course runs under able guidance of I/C Principal Dr.U.V.Patil.




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