

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department of Botany

2022-2023

Autonomous (Self-Financed) Short Term Certificate Course

Conservation and Cultivation of Medicinal Plants

1. Eligibility: XII std. Pass
2. Duration of Course: 3 Months
3. No. of Students: 20
4. Admission fees: Rs. 200/-
5. Examination: Theory (50 Marks)
Practical (40 Marks)
Excursion report (10 Marks)
Total 100 Marks
6. Faculty: Dr. S. M. Deshpande

Dr. R. B. Patil

Dr. S.B.Zimare

Dr. P.S.Kakade

Dr. P. P. Kamble
7. Co-ordinator: Dr.R.B.Patil
8. Director: Principal, D. P. Bhosale College, Koregaon

Kawaprija
Head

**Department of Botany
D. P. Bhosale College, Koregaon**

Rayat Shikshan Sanstha's
D. P. Bhosale College, Koregoan
Department of Botany
Short Term Course- 2022-23

Medicinal Plants: Cultivation and Conservation

Date: 26/09/2022

NOTICE

All the students of B. Sc. Part I are hereby informed that the Department of Botany is conducting a self-financed three months short term course on "**Conservation and Cultivation of Medicinal Plants**". The interested students register their names to Dr. R.B.Patil madam before 10th October 2022. Only 20 students will be enrolled for the course on first come first serve basis.

R.B.Patil
Co-ordinator

Kaushik
Head
Department of Botany

[Signature]
Principal
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's
D. P. Bhosale College, Koregaon

Department of Botany

**Short Term Course: Conservation and Cultivation of Medicinal Plants
(2022-2023)**

Board of Studies Panel

Sr. No.	Name of the Faculty	Expert
1.	Dr. S. M. Deshpande Head, Department of Botany, D. P. Bhosale College, Koregaon, District: Satara	Internal Expert
2.	Dr. R. B. Patil Assistant Professor, D. P. Bhosale College, Koregaon, District: Satara	Internal Member
3.	Dr. S.B.Zimare Assistant Professor, D. P. Bhosale College, Koregaon, District: Satara	Internal Member
4.	Dr. P.S. Kakade Assistant Professor, D. P. Bhosale College, Koregaon, District: Satara	Internal Member
5.	Dr. P. P. Kamble Assistant Professor, D. P. Bhosale College, Koregaon, District: Satara	Internal Member
6.	Dr. U. S. Pawar Head, Department of Botany Amdar Shashikant Shinde Mahavidyalay, Medha District: Satara	External Expert

R.B.Patil
Co-ordinator

A. Pawar
Head,
Head
Department of Botany
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department of Botany

2022-2023

Short term Course - Conservation and Cultivation of Medicinal Plants

Syllabus – Theory

	Total 24 Lectures
A. Introduction:	(2L)
Medicinal plants and their role in health	
B. Study of Medicinal Plants	(12 L)
Brief account of plant drugs and their chief constituents used in Indigenous medicines.	
a. Rhizome: <i>Zingiber officinale</i> , <i>Glycerrhiza glabra</i>	
b. Root: <i>Raulfia serpentina</i> , <i>Withaniasomnifera</i>	
c. Stem: <i>Tinospora cordifolia</i>	
d. Leaf: <i>Aloe vera</i> , <i>Adathoda zeylanica</i>	
e. Floral bud: <i>Syzygium cumini</i>	
f. Fruit: <i>Emblica officinalis</i>	
C. Cultivation of Medicinal Plants	(6 L)
a. Introduction	
b. Methods and cultural practices of cultivation of <i>Zingiber officinale</i> , <i>Withania somnifera</i> , <i>Aloe vera</i> , <i>Emblica officinalis</i>	
D. Conservation of medicinal plants	(4 L)
a. Introduction	
b. Various methods of conservation – Polyhouse and Shade Net	

Kawopreja
Head

**Department of Botany
D. P. Bhosale College, Koregaon**

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department of Botany

2022-2023

Short term Course - Conservation and Cultivation of Medicinal Plants

Syllabus – Practicals

List of Experiments:

1. **Study of medicinal plants w. r. t. morphology of useful parts, active principle, and uses of –**
 - a. *Zingiber officinale*
 - b. *Glycerrhiza glabra*
 - c. *Raulfia serpentina*
 - d. *Withaniasomnifera*
 - e. *Tinospora cordifolia*
 - f. *Aloe vera*
 - g. *Adathodazeylanica*
 - h. *Syzygiumcumini*
 - i. *Emblica officinalis*
2. **Methods of cultivation of Medicinal Plants**
 - a. *Zingiber officinale*
 - b. *Glycerrhiza glabra*
 - c. *Raulfia serpentina*
 - d. *Withaniasomnifera*
 - e. *Tinospora cordifolia*
 - f. *Aloe vera*
 - g. *Adathodazeylanica*
 - h. *Syzygiumcumini*
 - i. *Emblica officinalis*
3. **Techniques of conservation of Medicinal Plants**
 - a. Collection of Plants
 - b. Conservation in Polyhouse
 - c. Conservation in Shade net
4. **Visit to Polyhouse and Shade net**


Head

Department of Botany
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's
D. P. Bhosale College, Koregoan

Department of Botany

**Short Term Course: Conservation and Cultivation of Medicinal Plants
(2022-2023)**

MEETING NOTICE

The faculty from Department of Botany is hereby requested to attend departmental meeting arranged at 3.00pm on 28.09.2022.

Agenda of the meeting: Short Term course

1. Distribution of the syllabus.
2. Preparation of time table.
3. Planning of conduction of short term course.



Head,
Department of Botany

Head
Department of Botany
D. P. Bhosale College, Koregoan

Dr.Patil R.B.

R.P. Patil

Dr.Zimare S.B.

S. B. Zimare

Dr.Kakade P.S.

P.S. Kakade

Dr.Kamble P.P.

P. Kamble

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregoan

Department of Botany

**Short Term Course: Conservation and Cultivation of Medicinal Plants
(2022-2023)**

MINUTES OF MEETING

Minutes of the meeting:

The meeting of faculty from department of Botany was arranged on 28/09/2022 at 3.00 pm.

The subjects discussed and decisions taken in meeting are:

Short term course -Time table and distribution of syllabus of short term course is prepared.

R.B. Patil
Head,
Department of Botany
Head

Department of Botany
D. P. Bhosale College, Koregoan

Dr. Patil R.B.

R.B. Patil

Dr. Zimare S.B.

S.B. Zimare

Dr. Kakade P.S.

P. Kakade

Dr. Kamble P.P.

P. Kamble

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregaon

Department of Botany

Short term Course 2022-23

-Conservation and Cultivation of Medicinal Plants

TIME TABLE

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Theory 3.00- 3.40	RBP/PPK	PSK/SBZ	SMD	-	-	-
Practical: 9.00-10.00	-	-	-	RBP/PPK	PSK/SBZ	-

R. S. Patil

Co-ordinator

K. S. Patil
Head

Department of Botany
Head

Department of Botany
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's

D. P. Bhosale College, Koregoan

Department of Botany

Short Term Course- 2022-23

Medicinal Plants: Cultivation and Conservation

Syllabus Distribution

Sr. No.	Name of the Faculty	Topic Allotted: Theory	Practical	Signature
1.	Dr. S. M. Deshpande	Conservation of Medicinal Plants: a. Introduction b. Various methods of conservation: Polyhouse and Shade Net	Techniques of Conservation of Medicinal plants: 1. Collection of Plants 2. Conservation in Polyhouse 3. Conservation in shade Net Visit to Polyhouse and Shade Net	
2.	Dr. R. B. Patil	Introduction: Medicinal Plants and their Role in health		<u>R.B. Patil</u>
3.	Dr. S. B. Zimare	Study of Medicinal Plants: Brief account of Plant drugs and their chief constituents used in indigenous medicines: Root: <i>Raulfia serpentina</i> , <i>Withaniasomnifera</i> Fruit: <i>Emblica officinalis</i>	1. Study of medicinal plants with respect to useful parts, active principle and uses of: 2. Methods of cultivation of Medicinal Plants 3. Techniques of conservation of Medicinal Plants: <i>Raulfia serpentina</i> , <i>Withania somnifera</i> , <i>Emblica officinalis</i>	<u>S. B. Zimare</u>
4.	Dr. P. S. Kakade	Leaf: <i>Aloe vera</i> , <i>Adathoda zeylanica</i> Floral bud: <i>Syzigium cumini</i>	1. Study of medicinal plants with respect to useful parts, active principle and uses of: 2. Methods of cultivation of Medicinal Plants 3. Techniques of conservation of Medicinal Plants: <i>Aloe vera</i> , <i>Adathoda zeylanica</i> , <i>Syzigiumcumini</i>	<u>P.S. Kakade</u>

5.	Dr. P. P. Kamble	Rhizome: <i>Zingiberofficinale,</i> <i>Glycerrhiza glabra</i> Stem: <i>Tinospora cordifolia</i>	1. Study of medicinal plants with respect to useful parts, active principle and uses of: 2. Methods of cultivation of Medicinal Plants 3. Techniques of conservation of Medicinal Plants: <i>Zingiber officinale, Glycerrhiza glabra, Tinospora cordifolia</i>	<i>Kamble</i>
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R.P. Patil
Co-Ordinator

Kanupriya
Head
Department of Botany
Head
Department of Botany
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's
D. P. Bhosale College, Koregoan
Department of Botany
2022-2023

**Short Term Course: Conservation and Cultivation of Medicinal
Plants**

Sr. No.	Name of Students	Signature
1.	Gole Pallavi Jitendra	<u>P. J. Gole</u>
2.	Netke Diya Ramesh	<u>D. R. Netke</u>
3.	Jadhav Prajka Vilas	<u>Prjka</u>
4.	Chavan Phalguni Rajendra	<u>P. Chavan</u>
5.	Kamble Amrapali Dipak	<u>A. Kamble</u>
6.	Jagtap Tanuja Sandip	<u>Jagtap</u>
7.	Rasal Payal Hanmant	<u>Rasal</u>
8.	Kadam Ankita	<u>Kadam</u>
9.	Bhandvalkar Vaibhav Kiran	<u>Bvk</u>
10.	Jangam Sakshi Revansiddh	<u>Jangam</u>
11.	Kumbhar Akansha Kishor	<u>A. K. Kumbhar</u>
12.	Bobade Pranali Bajarang	<u>P. B. Bobade</u>
13.	Bhosale Bhagyashri Shivaji	<u>BBS.</u>
14.	Pawar Vaishnavi Krushnat	<u>P. Pawar</u>
15.	Yadav Akash Rajendra	<u>Yadav</u>
16.	Kamble Rajdeep Dipak	<u>R. Kamble</u>

Kanopnija
Head
Department of Botany
D. P. Bhosale College, Koregaon

Name of the Faculty:

Sr. No.	Name of Students	1	2	3	4	5	6	7
1.	Gole Pallavi Jitendra	P.J.Gole	DR.Nette	P.J.Gole	DR.Nette	P.J.Gole	DR.Nette	P.J.Gole
2.	Netke Diya Ramesh	DR.Nette	DR.Nette	DR.Nette	DR.Nette	DR.Nette	DR.Nette	DR.Nette
3.	Jadhav Prajita Vilas	P.J.Gole	DR.Nette	P.J.Gole	DR.Nette	P.J.Gole	DR.Nette	P.J.Gole
4.	Chavan Phalguni Rajendra	P.J.Gole	DR.Nette	P.J.Gole	DR.Nette	P.J.Gole	DR.Nette	P.J.Gole
5.	Kamble Arunpali Dprak	AKamble	DR.Nette	AKamble	DR.Nette	AKamble	DR.Nette	AKamble
6.	Jagtap Tanuja Sandip	Jagtap	DR.Nette	Jagtap	DR.Nette	Jagtap	DR.Nette	Jagtap
7.	Rasal Payal	P.Rasal	DR.Nette	P.Rasal	DR.Nette	P.Rasal	DR.Nette	P.Rasal

	Hemant									
8.	Kadam Ankita	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>
9.	Bhandvalkar Vaibhav Kiran	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>
10.	Jangam Sakshi Revansiddh	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>
11.	Kumbhar Akansha Kishor	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>
12.	Bobade Pranali Bajarang	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>
13.	Bhosale Bhagyashri Shivaji	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>
14.	Pawar Vaishnavi Krushnat	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>
15.	Yadav Akash Rajendra	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>
16.	Kamble Rajdeep Dipak	<u>BBS.</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>	<u>AKK</u>

Total Number of Students Admitted for the course: 16

Transcribed by


Head

Department of Botany
D. P. Bhosale College, Koregaon

Rayat Shikshan Sanstha's
D. P. Bhosale College, Koregaon
Department of Botany

Autonomous (Self-Financed) Short Term Certificate course 2022-23

Conservation and Cultivation of Medicinal Plants

Department of Botany conducted short term course from 15th November 2022 to 23rd February 2023 (3 months duration for students on "**Cultivation and conservation of Medicinal Plants**"). About 16 students are enrolled in this short term course. Separate garden of rare medicinal plants is maintained by the department of Botany. The students are benefited and awareness regarding conservation of rare plants is created among themselves.


Head

Department of Botany
D. P. Bhosale College, Koregaon



RAYAT SHIKSHAN SANSTHA'S
D. P. BHOSALE COLLEGE, KOREGAON

DIST.- SATARA, MAHARASHTRA, INDIA-415501

Department of Botany

Academic Year: 2022-2023



Certificate

This is to certify that, Mr./Miss. _____
has participated in Short Term Course on “ Cultivation and Conservation of
Medicinal Plants” organized by Department of Botany, D. P. Bhosale College,
Koregaon, District- Satara. (Maharashtra).

Co-ordinator

Head, Department of Botany



Principal