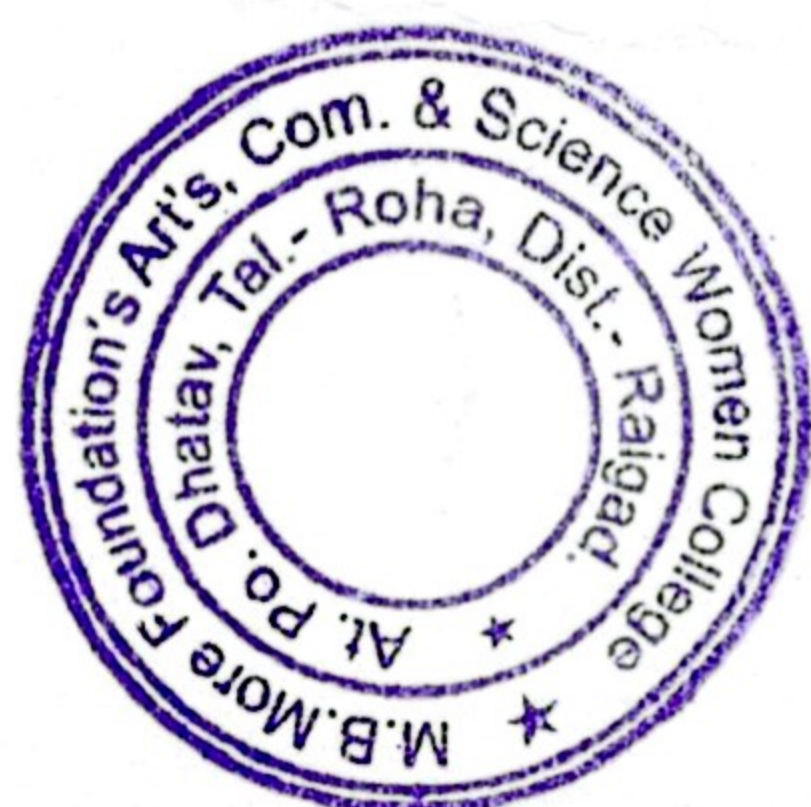



**M. B. More Foundation's
Arts, Commerce and Science Women College,
Dhatav, Tal-Roha.**

Certificate Course (AY 2021-2022)

Course Name	:	Introduction to 'Techniques in Plant propagation'	
Objectives	:	Plant propagation is the most basic horticulture practice. It helps to acquire skill in creating new plants from seeds or existing plants thereby preventing varieties from extinction and help survival of plant species in natural settings.	
Eligibility	:	Students in S.Y.B.Sc.	
Duration	:	01 Month	
Fees	:	200/- per Student	
Trainer	:	Ms. Dipali Sameer Warange, Assistant Professor in Botany M. B. More Women College	Ms. Yogita Bhagwan Nehete Assistant Professor in Botany M. B. More Women College
	:	Ms. Misbaah Shahnawaz Kirkire, Assistant Professor in Botany, M. B. More Women College	
Course Co-ordinator	:	Ms. Pratiksha Prakash Gharge Assistant Professor in Chemistry, M. B. More Women College	
Number of Students Enrolled	:	66	
Number of Students Completed the Course	:	55	
Course Outcome	:	Students were excited seeing germinating seed, new cutting developed a root system. They enjoyed every moment from sowing seeds, taking care of new plants and feel proud to see that they created new living plant in the garden.	




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At-Dhatav, Tal-Roha, Dist-Raigad, 402 116



(Certificate course AY 2021-22)

Enrollment List

Certificate course in 'Introduction to techniques in plant propagation'

Sr. No.	Permanent Number	Name of Student	Signature
1	3301	Amruskar Mayuri Rohidas	Amruskar
2	3302	Amruskar Siddhi Bhagoji	Amruskar
3	3304	Bamugade Dipti Pramod	Bamugade
4	3305	Bangi Daniya Kasim	Daniya
5	3306	Bhagat Chaitali Tukaram	Bhagat
6	3307	Bhagat Mayuri Maruti	Bhagat
7	3308	Bhagat Rujvi Mukund	R.m. Bhagat
8	3309	Bhalekar Palak Ganpat	Bhalekar
9	3311	Birwadkar Bhavika Dattaram	Bhavika
10	3312	Darji Fiza Mohsin	Fiz Darji
11	3313	Deshmukh Juili Naresh	Deshmukh
12	3238	Deshmukh Ketaki Devanand	Deshmukh
13	3316	Gaikar Jayashri Pandurang	Gaikar
14	3317	Gaikar Ruchita Ramchandra	Gaikar
15	3318	Gaikar Sakshi Ghanashyam	Gaikar
16	3319	Gaikwad Prachi Rashtrapal	Rashtrapal
17	3320	Ingle Prerana Subhash	Bingle
18	3363	Jadhav Ketaki Dnyaneshwar	K.D. Jadhav
19	3322	Kadam Akshata Anant	Kadam
20	3366	Kadam Pooja Suresh	Kadam

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Arts, Com. & Sci. Women College


Po. Dhatav, Tal. Roha, Dist. Raigad

No.	Permanent Number	Name of Student	Signature
21	3323	Kadav Shrushti Keshav	<i>Kadav</i>
22	3324	Kaskar Mahek Shakil	<i>Kaskar</i>
23	3325	Kazi Uzma Javed	<i>Kazi</i>
24	3326	Khaire Neha Suresh	<i>Neha</i>
25	3327	Khamkar Afrah Altaf	<i>Afrah</i>
26	3329	Kumavat Khushbu Mangilal	<i>Kum</i>
27	3330	Lokhande Amisha Ashok	<i>Amisha</i>
28	3331	Mahadik Divya Ganesh	<i>Mahadik</i>
29	3332	Malusare Prajakta Chandrakant	<i>Malusare</i>
30	3333	Mane Dipali Chandrakant	<i>Mane</i>
31	3334	Mane Sanika Santosh	<i>Smane</i>
32	3335	Mane Yamini Yashwant	<i>Ymane</i>
33	3336	Manhas Simran Kartarsingh	<i>Manhas</i>
34	3337	Mhaskar Komal Rajesh	<i>K.R. Mhaskar</i>
35	3338	Mhatre Samiksha Anant	<i>Mhatre</i>
36	3267	More Anuja Ravindra	<i>Anuja</i>
37	3340	More Dakashata Mahesh	<i>More</i>
38	3367	More Snehal Ananta	<i>More</i>
39	3341	More Vaishnavi Sanjay	<i>More</i>
40	3342	Nimbare Shrutika Sachin	<i>Shrutika</i>
41	3343	Padwal Karina Balavant	<i>Padwal</i>
42	3344	Padwal Vijita Laxman	<i>Padwal</i>
43	3345	Pardeshi Pooja Kiran	<i>Pooja</i>




Sl. No.	Permanent Number	Name of Student	Signature
44	3346	Patil Lina Lahu	<u>Patil</u>
45	3347	Rajiwale Prerana Vijay	<u>Rajiwale</u>
46	3348	Rajiwale Priyanka Shivaji	<u>Rajiwale</u>
47	3349	Roge Anam Akbar	<u>Roge</u>
48	3350	Roge Tahura Azim	T. A. Roge
49	3351	Savarkar Prashali Sonu	<u>Savarkar</u>
50	3352	Sawant Rakhi Rajendra	<u>Sawant</u>
51	3353	Shaikh Shabana Kasim	<u>Shaikh</u>
52	3354	Shinde Pratiksha Paresh	P. P. Shinde
53	3355	Shinde Tanvi Ganesh	<u>Tanvi</u>
54	3356	Shirke Prajakta Ganesh	<u>Shirke</u>
55	3310	Tejashree Bhoir Tukaram	<u>Bhoir</u>
56	3357	Thite Mansi Maruti	<u>Thite</u>
57	3358	Thite Nishigandha Datta	<u>Thite</u>
58	3359	Thite Sakshi Santosh	<u>Thite</u>
59	3360	Tikone Vrushali Sudhir	<u>Tikone</u>
60	3361	Ulde Ayesha Salim	<u>Ulde</u>
61	3362	Waghavale Pranali Prakash	<u>Pranali</u>
62	3364	Waghmare Khushi Hirachandra	<u>Khushi</u>
63	3365	Yadav Rashmi Gajanan	<u>Yadav</u>




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Sl. No.	Permanent Number	Name of Student	Signature
44	3346	Patil Lina Lahu	<u>Patil</u>
45	3347	Rajiwale Prerana Vijay	<u>Rajiwale</u>
46	3348	Rajiwale Priyanka Shivaji	<u>Rajiwale</u>
47	3349	Roge Anam Akbar	<u>Roge</u>
48	3350	Roge Tahura Azim	T. A. Roge
49	3351	Savarkar Prashali Sonu	<u>Savarkar</u>
50	3352	Sawant Rakhi Rajendra	<u>Sawant</u>
51	3353	Shaikh Shabana Kasim	<u>Shaikh</u>
52	3354	Shinde Pratiksha Paresh	P. P. Shinde
53	3355	Shinde Tanvi Ganesh	<u>Tanvi</u>
54	3356	Shirke Prajakta Ganesh	<u>Shirke</u>
55	3310	Tejashree Bhoir Tukaram	<u>Bhoir</u>
56	3357	Thite Mansi Maruti	<u>Thite</u>
57	3358	Thite Nishigandha Datta	<u>Thite</u>
58	3359	Thite Sakshi Santosh	<u>Thite</u>
59	3360	Tikone Vrushali Sudhir	<u>Tikone</u>
60	3361	Ulde Ayesha Salim	<u>Ulde</u>
61	3362	Waghavale Pranali Prakash	<u>Pranali</u>
62	3364	Waghmare Khushi Hirachandra	<u>Khushi</u>
63	3365	Yadav Rashmi Gajanan	<u>Yadav</u>




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Short term Certificate Course in
'Introduction to Techniques in Plant Propagation'

Department : Science

Duration : 35 hrs

Co-ordinator : Ms. Pratiksha Gcharge

Syllabus

1) Grafting :

- a. Definition of Grafting
- b. Types of Grafting
- c. Advantages of Grafting

2) Layering :

- a. Definition of Layering
- b. Types of Layering
- c. Advantages of Layering

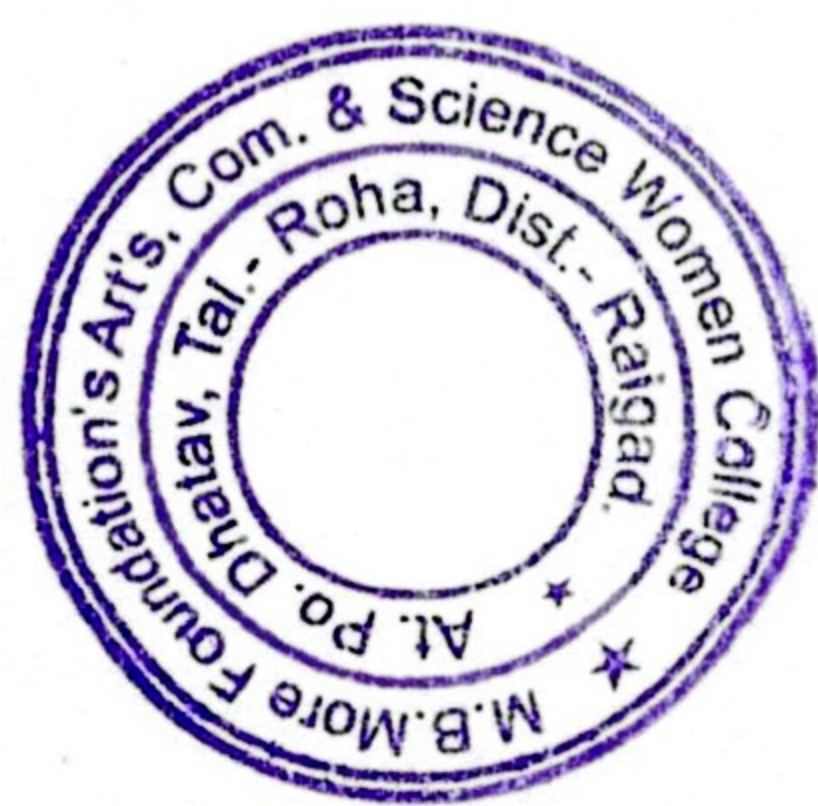
3) Algae :


- a. Study the types of Algae
- b. Definition of Algae
- c. Economics & importance of Algae (Harmful and useful)

4) Practicals :

- a. Identification, classification of algae from water sample.
- b. To study types of Grafting
- c. To study types of Layering

5) Field visit for practical exposure to Techniques in Plant Propagation.




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M.B.More Foundation's Arts, Commerce & Science Women College, Roha- Raigad.

Examination : Online Examination for certificate course in 'Introduction to Techniques of Plant Propagation'.

Class : S.Y.BSC

Day/ Date : Sunday (28/11/2021).

Time : 10:00 am to 11:00 am

Marks : 25 M

Duration : 1 hr.

* Required

1. Student Name : *

2. Email-id *

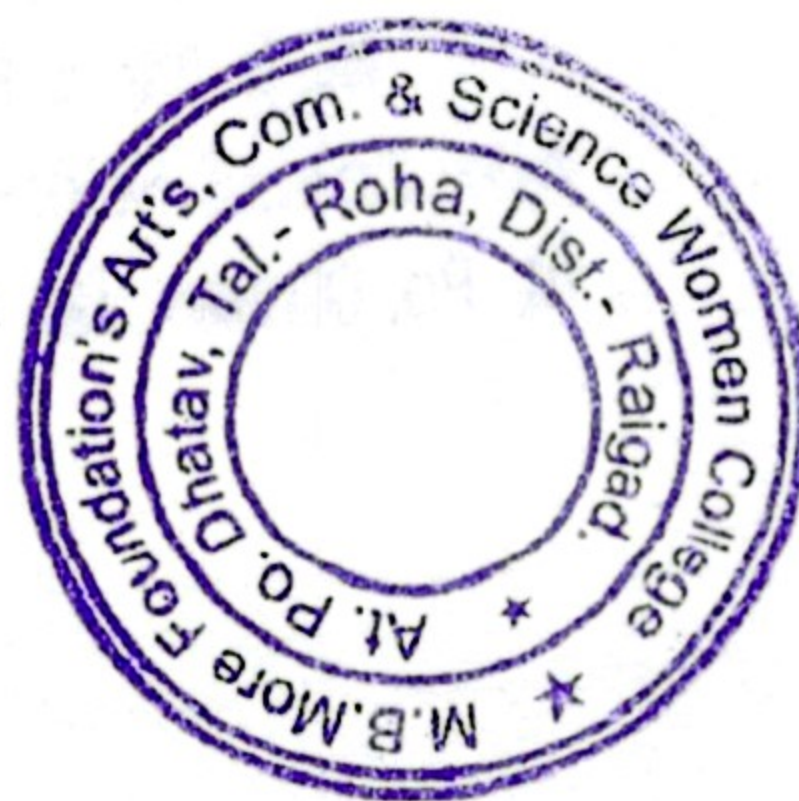
3. Roll No *

4. 1)What is the storage product of most algae?

1 point

Mark only one oval.

- a. Cellulose
- b. Glycogen
- c. Starch and oils
- d. Fat



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5. 2) Agar, which is the solidifying agent in many bacterial culture media, is part of the cell wall of

1 point

Mark only one oval.

- a. Chlorophyta
- b. Chrysophyta
- c. Panrophyta
- d. Rhodophyta

6. 3) Algae is a Non- valid taxonomic term that refers to.....

1 point

Mark only one oval.

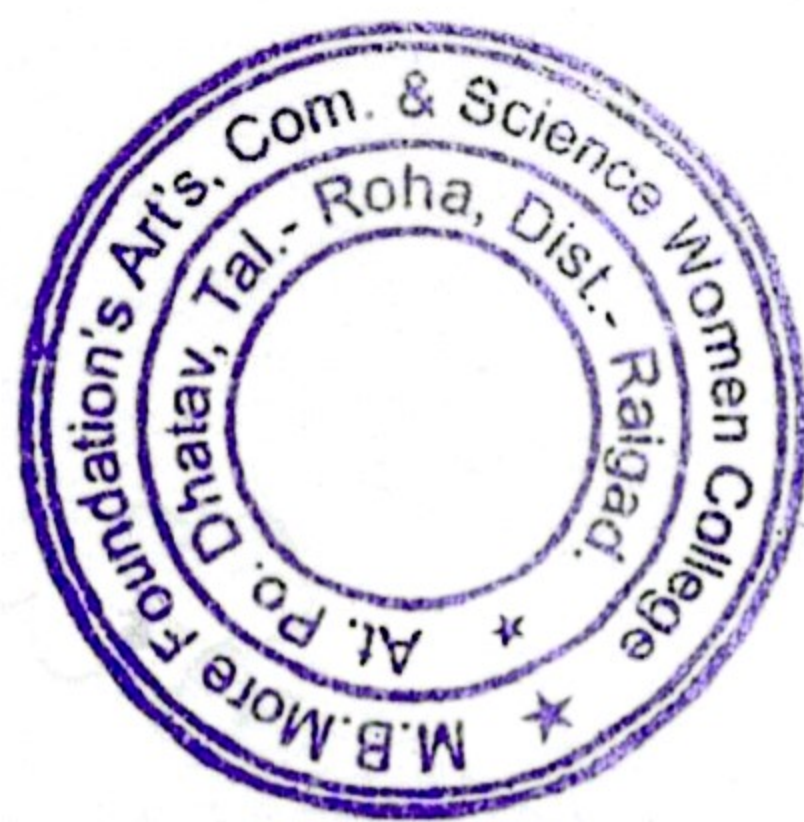
- a. Eukaryotic organisms that have chlorophyll and produce O₂
- b. Well developed cellular structure including a conducting system
- c. Both a and b
- d. None of the above


7. 4) Algae are classified into 6 groups technically known as.....

1 point

Mark only one oval.

- a. Categories
- b. Division
- c. Genera
- d. Domains




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8. 5) Parasitic algae is

1 point

Mark only one oval.

- a. Cephaleuros
- b. Ulothrix
- c. Spirogyra
- d. Chlamydomonas

9. 6) Almonds can grow successfully if stock and scion are-----

1 point

Mark only one oval.

- a. of the related species
- b. of different species
- c. of similar groups
- d. of different groups

10. 7) The Is the vegetative body is algae.

1 point

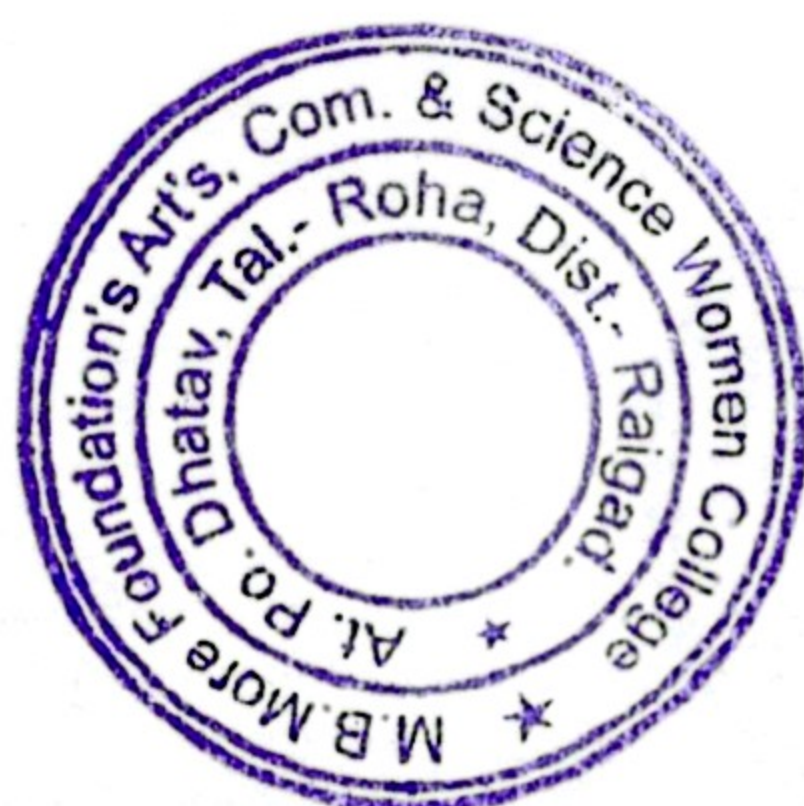
Mark only one oval.


- a. Mycelium
- b. Pseudoplasmodium
- c. Is scattered the least by smoke or fog
- d. Thallus

11. 8) The portion of plant that is grafted on the other plant is called _____ 1 point

Mark only one oval.

- a. Stock
- b. Scion
- c. Graft
- d. Stump




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12. 9) The kelps are algae found in _____

1 point

Mark only one oval.

- a. Chlorophyta
- b. Chrysophyta
- c. Phaeophyta
- d. Pyrrophyta

13. 10) Genera like selaginella and salvinia produce two kinds of spores, such plants are known as _____ 1 point

Mark only one oval.

- a. Homosporous
- b. Heterosporous
- c. Homosorus
- d. Heterosorus

14. 11) What involves burying or covering a part of stem to create a new plant? 1 point

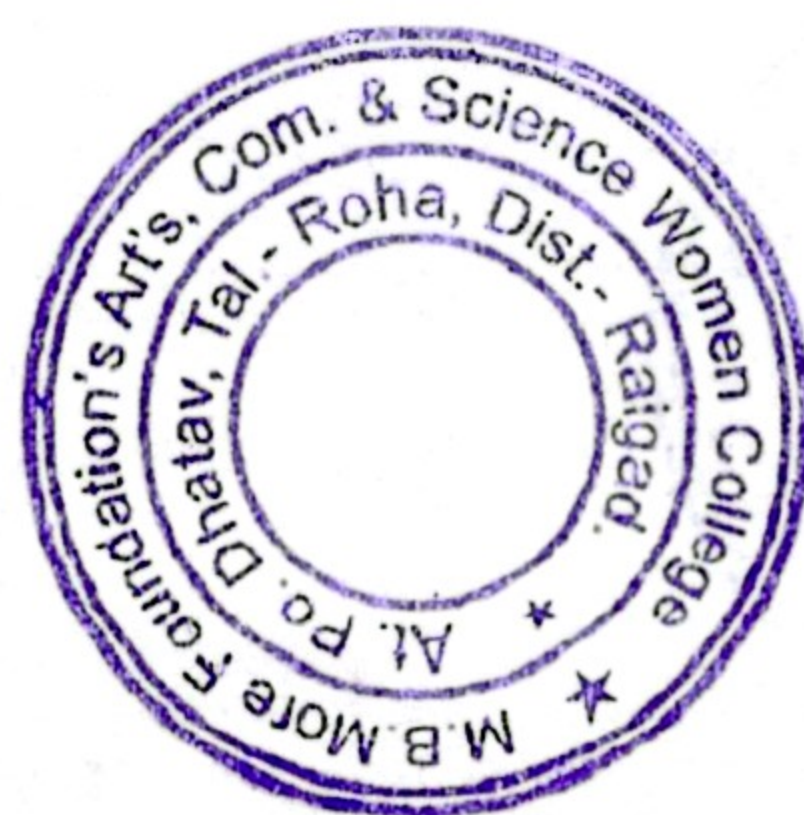
Mark only one oval.

- A. Grafting
- B. Layering
- B. Covering
- C. Budding

15. 12) In which Layering, the ground touching portion of plant is used? 1 point

Mark only one oval.

- A. Mould Layering
- B. Simple Layering
- C. Air Layering
- D. Tip Layering




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16. 13) Litchi is an example of which Layering?

1 point

Mark only one oval.

- A. Compound Layering
- B. Air Layering
- C. Simple Layering
- D. Mould Layering

17. 14) The method of inducing rooting by girdling aerial branches is called Air Layering. Air Layering is also called as _____.

1 point

Mark only one oval.

- A. Gotee
- B. Chinese Layering
- C. Pot Layering
- D. All of these

18. 15) What is the commercial propagation method of Cherry?

1 point

Mark only one oval.

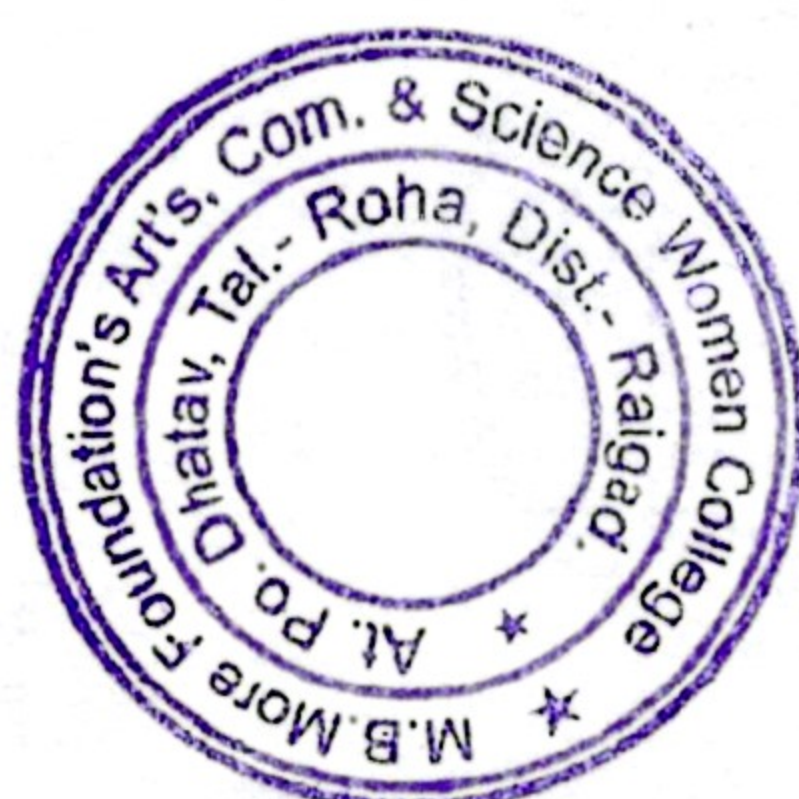
- A. Air Layering
- B. Cutting
- C. Patch Budding
- D. Stooling


19. 16) Artificial methods of reproduction do not include?

1 point

Mark only one oval.

- A. Rhizome
- B. Cutting
- C. Layering
- D. Budding




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20. 17) Most commonly used vegetative propagation method in Rose?

1 point

Mark only one oval.

- A. Layering
- B. Grafting
- C. Budding
- D. Tissue culture

21. 18) How many year old shoot is require for Layering?

1 point

Mark only one oval.

- A. Two
- B. Three
- C. One
- D. Four

22. 19) In _____, the branches of plant are very firm and bending is difficult.

1 point

Mark only one oval.

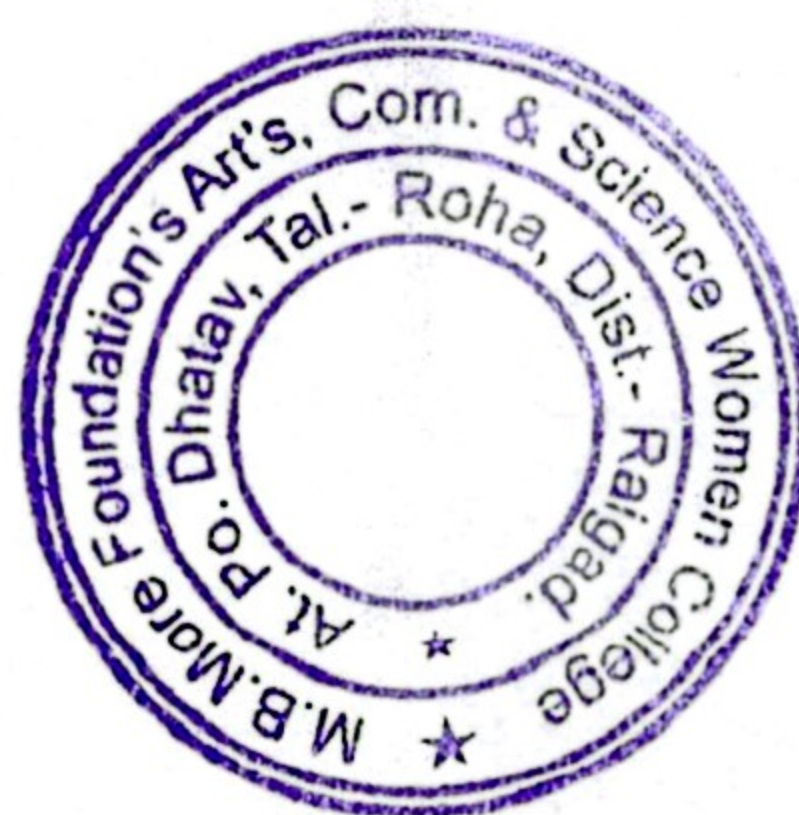
- A. Air Layering
- B. Tip Layering
- C. Mound Layering
- D. Compound Layering


23. 20) The girdled portion is covered using _____ in Air Layering.

1 point

Mark only one oval.

- A. Moist sphagnum moss
- B. Cotton
- C. Moist grass
- D. All of these




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24. 21) Horticulture is the study that includes

1 point

Mark only one oval.

- a) Fruits, vegetables and flowers
- b) All food crops
- c) Vegetable gardens and lawns near hotels
- d) Some bush crops and apples

25. 22.) Artificial methods of vegetative propagation includes

1 point

Mark only one oval.

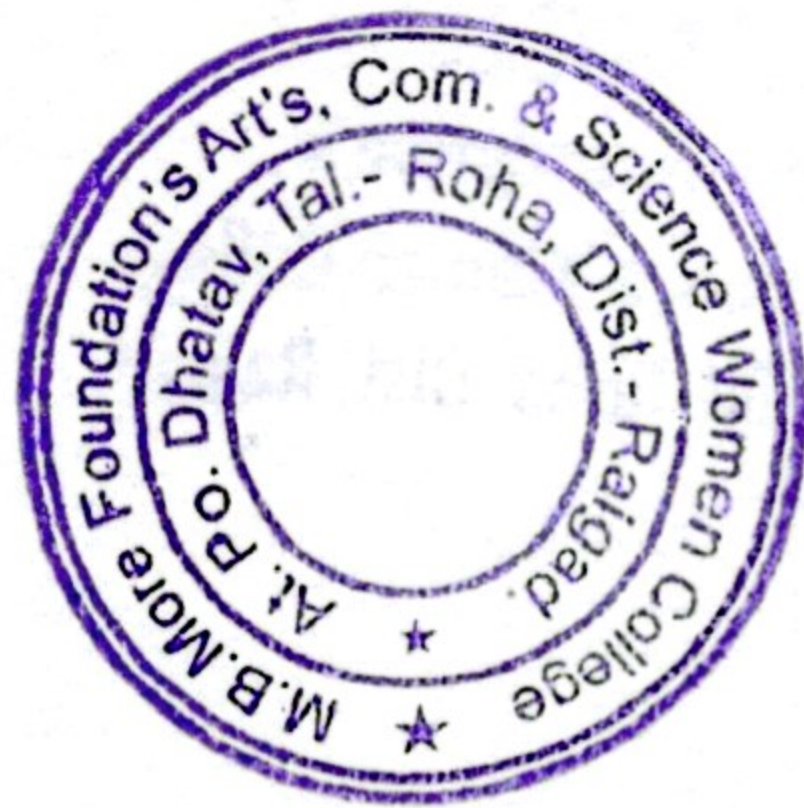
- a) Cloning
- b) grafting
- c) cuttings
- d) both b and c

26. 23) Advantages of Artificial Methods of Vegetative Reproduction include

1 point

Mark only one oval.

- a) Crops with better quality
- b) Crops with more yield
- c) Ability to produce plants with desirable qualities
- d) All of these



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27. 24. What is Grafting?

1 point

Mark only one oval.

- a. process by which 3 different plants are unite
- b. process by which 2 different plants are united so that they grow as one
- c. process by which a plants roots are above ground
- d. process by which a plant can not grow

28. 25) What kind of Grafting is used when the rootstock and the scion are the same size in diameter

1 point


Mark only one oval.

- a. Whip
- b. Tongue
- c. Scion
- d. Both A & B

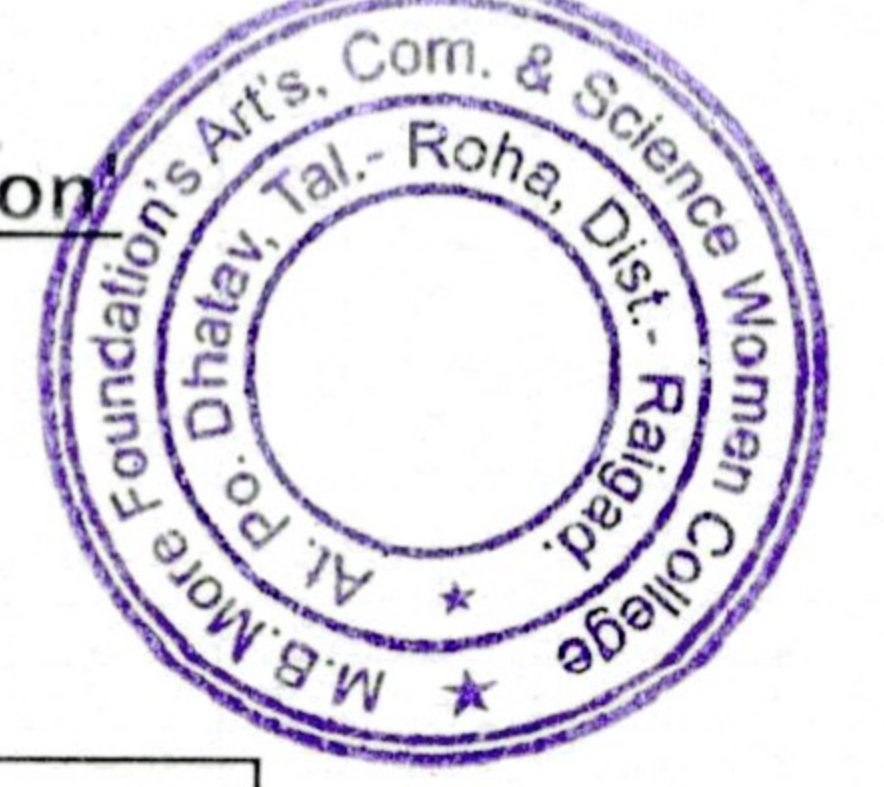
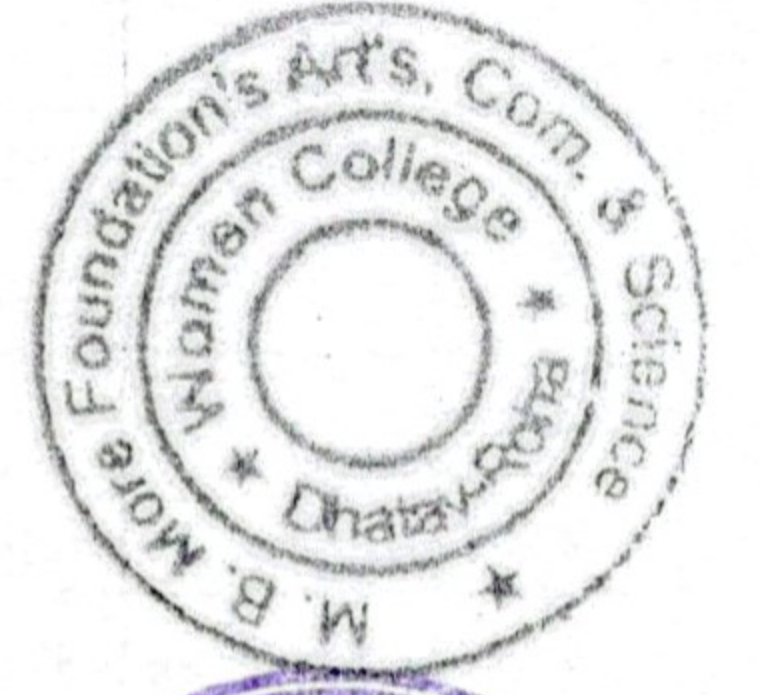
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Arts , Commerce and Science Women College
At.Dhatav , Tal- Roha-Raigad.



Certificate Course in 'Introduction to Techniques of Plant Propagation'

Final Marklist

Sr No.	Name of Student	Class	Theory	Project Work	Total Score
1	Afrah altaf khamkar	S.Y.BSc	21.00 / 25	20/25	41
2	Akshata anant kadam	S.Y.BSc	14.00 / 25	20/20	34
3	Amruskar Mayuri Rohidas	S.Y.BSc	25.00 / 25	24/25	49
4	Bangi Daniya kasim	S.Y.BSc	20.00 / 25	22/25	42
5	Bhagat chaitali tukaram	S.Y.BSc	19.00 / 25	22/25	41
6	Bhagat mayuri maruti	S.Y.BSc	20.00 / 25		20
7	Bhagat Rujvi Mukund	S.Y.BSc	16.00 / 25	25/25	41
8	Bhalekar Palak Ganpat	S.Y.BSc	24.00 / 25	25/25	49
9	Birwadkar Bhavika Dattaram	S.Y.BSc	21.00 / 25	25/25	46
10	Deshmukh Juili Naresh	S.Y.BSc	22.00 / 25	24/25	46
11	Fiza Mohsin Darji	S.Y.BSc	12.00 / 25	25/25	37
12	Gaikar jayashri pandurang	S.Y.BSc	17.00 / 25	25/25	42
13	Gaikar Ruchita Ramchandra	S.Y.BSc	17.00 / 25	24/25	41
14	Gaikar Sakshi Ghanshyam	S.Y.BSc	17.00 / 25	25/25	42
15	Ingle prerana subhash	S.Y.BSc	16.00 / 25	24/25	40
16	Kadam pooja suresh	S.Y.BSc	25.00 / 25	25/25	50
17	Kadav shrushti keshav	S.Y.BSc	19.00 / 25	21/25	40
18	KASKAR MAHEK SHAKIL	S.Y.BSc	22.00 / 25	20/25	42
19	kazi Uzma Javed	S.Y.BSc	12.00 / 25	19/25	31
20	Ketaki devanand deshmukh	S.Y.BSc	14.00 / 25	20/25	34
21	Ketaki dnyaneshwar jadhav	S.Y.BSc	19.00 / 25	20/25	39
22	Khaire neha suresh	S.Y.BSc	20.00 / 25	23/25	43
23	Khushbu mangilal kumavat	S.Y.BSc	20.00 / 25	21/25	41
24	Khushi hirachndra waghmare	S.Y.BSc	15.00 / 25	23/25	38
25	Lokhande Amisha Ashok	S.Y.BSc	18.00 / 25	20/25	38
26	Mahadik Divya Ganesh	S.Y.BSc	16.00 / 25	21/25	37
27	Malusare prajakta chandrakant	S.Y.BSc	17.00 / 25	20/25	37
28	Mane Dipali Chandrakant	S.Y.BSc	19.00 / 25	20/25	39
29	Mane Sanika Santosh	S.Y.BSc	25.00 / 25		25
30	Mane yamini yashwant	S.Y.BSc	22.00 / 25	21/25	43
31	Mansi Maruti Thite	S.Y.BSc	21.00 / 25	25/25	46
32	Mhaskar Komal Rajesh	S.Y.BSc	14.00 / 25		14
33	More Anuja ravindra	S.Y.BSc	20.00 / 25	22/25	42
34	More Dakshata Mahesh	S.Y.BSc	22.00 / 25	24/25	46
35	More Snehal Anant	S.Y.BSc	22.00 / 25	25/25	47
36	More Vaishnavi Sanjay	S.Y.BSc	19.00 / 25	23/25	42
37	Nimbare shrutika sachin	S.Y.BSc	19.00 / 25	22/25	41
38	Padwal Karina Balavant	S.Y.BSc	21.00 / 25	21/25	42
39	Pardeshi pooja kiran	S.Y.BSc	19.00 / 25	20/25	39

1st

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1st
2nd

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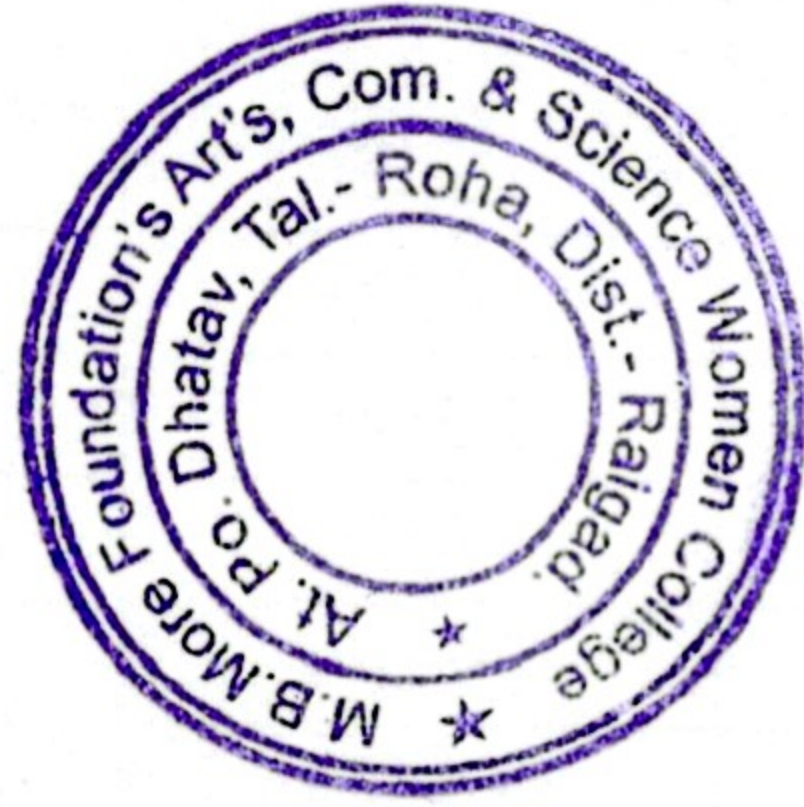
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40	Pranali Prakash Waghavale	S.Y.BSc	14.00 / 25	21/25	35
41	Rajiwale Prerana Vijay	S.Y.BSc	14.00 / 25	25/25	39
42	ROGE ANAM AKBAR	S.Y.BSc	22.00 / 25	20/25	42
43	Roge Tahura Azim	S.Y.BSc	19.00 / 25	23/25	42
44	Savarkar Prashali Sonu	S.Y.BSc	21.00 / 25	25/25	46
45	Shaikh Shabana Kasim	S.Y.BSc	20.00 / 25	25/25	45
46	Shinde pratiksha Paresh	S.Y.BSc	22.00 / 25	23/25	45
47	Shirke Prajakta Ganesh	S.Y.BSc	18.00 / 25	22/25	40
48	Shruti Sanjay Mohite	S.Y.BSc	16.00 / 25		16
49	Siddhi Bhagoji Ambruskar	S.Y.BSc	21.00 / 25	25/25	46
50	Thite Nishigandha Datta	S.Y.BSc	16.00 / 25	21/25	37
51	Thite Sakshi Santosh	S.Y.BSc	21.00 / 25	24/25	45
52	Tikone vrushali sudhir	S.Y.BSc	16.00 / 25	25/25	41
53	Ulde Ayesha Salim	S.Y.BSc	16.00 / 25		16
54	Yadav Rashmi Gajanan	S.Y.BSc	20.00 / 25	20/25	40
55	Patil Lina Lahu	S.Y.BSc		21/25	21

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DHATAV - ROHA, RAIGAD.



Certificate

This is to Certify that

Ms. Bhagat Chaitali Tukgram

Class: S.Y.B.Sc.

participated in the short term certificate course

on

Introduction to Technique of Plant Propagation

Conducted by

College certificate course committee

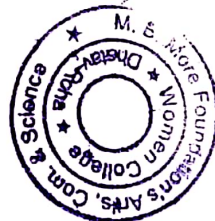
from

15/11/2021 to 25/12/2021 (35 ^{Has} ~~weeks~~)

And completed successfully

with 'A+' Grade

Date: 14 MAY 2022




Coordinator


Principal
M. B. More Foundation's

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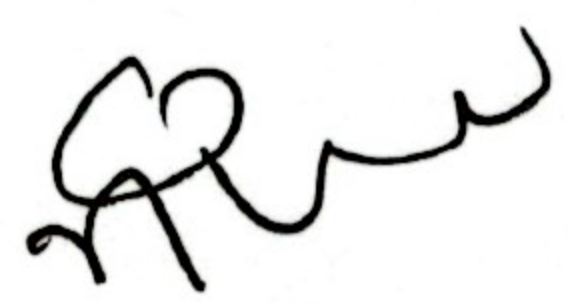


M. B. More Foundation's
Art's, Commerce and Science Women College,
Dhatav, Tal-Roha.

Certificate Course (AY 2022-23)

Name	:	Introduction to 'Technique in Plant propagation'
Objectives	:	Plant propagation is the most basic horticulture practice. It helps to acquire skill in creating new plants from seeds or existing plants thereby preventing varieties from extinction and help survival of plant species in natural settings.
Eligibility	:	Students in S.Y.B.Sc.
Duration	:	01 Month
Fees	:	
Trainer	:	Mrs. Dipali Sameer Warange, Assistant Professor in Botany, M. B. More Women College Ms. Yogita Bhagwan Nehete, Assistant Professor in Botany, M. B. More Women College
Course Co-ordinator	:	Ms. Akshata Anant Thakur Assistant Professor in Zoology, M. B. More Women College
Number of Students Enrolled	:	71
Number of Students Complete the Course	:	70
Course Outcome	:	Students were excited seeing germinating seed, new cutting developed a root system. They enjoyed every moment from sowing seeds, taking care of new plants and feel proud to see that they created new living plant in the garden.




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Certificate Course A.Y. 2022-23

Enrollment List

Certificate Course in 'Introduction to Technique in plant Propagation'


Sr. No.	Permanent Number	Name of Student	Signature
1	3368	Amruskar Janhavi Mahendra	
2	3369	Bamugade Sanika Vinod	S.V. Bamugade
3	3370	Bhatt Pratiksha Yajuendra	
4	3447	Bhoir Priya Naresh	P.N. Bhoir
5	3372	Bhoir Saniya Vithoba	
6	3446	Bhonkar Payal Prafull	
7	3373	Bodre Pritee Rajesh	
8	3374	Chavan Ashvini Prabhakar	A.P. Chavan
9	3445	Chavan Laxmibai Digambar	
10	3437	Dake Pallavi Pandurang	Dake
11	3533	Deshmukh Neha Sushant	
12	3375	Devkar Shivkanya Ashok	
13	3376	Farade Sanika Ram	
14	3377	Gaikar Bhagyashri Dinkar	
15	3378	Gaikar Payal Prabhakar	P.P. Gaikar
16	3379	Gaikwad Mrunali Nandesh	
17	3380	Gehlot Riya Jagdish	
18	3443	Ghag Aakanksha Ghanshyam	Ghag.A
19	3534	Golipkar Sonali Mahesh	
20	3440	Jadhav Jyoti Balaram	

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Sr. No.	Permanent Number	Name of Student	Signature
21	3383	Jadhav Rutuja Rajesh	
22	3384	Jangam Sejal Gopinath	
23	3386	Kadu Zulekha Umer	
24	3387	Kalekar Prerana Prakash	
25	3388	Kamble Neha Vitthal	
26	3389	Kanhekar Ankita Prakash	
27	3390	Kapse Sakshi Sanjay	S.S. Kapse
28	3391	Karjekar Samiya Samad	
29	3392	Katam Sanika Mahesh	Sanika..
30	3328	Khamkar Diksha Dilip	Diksha Khamkar
31	3439	Khan Firdous Abdul	
32	3393	Khan Saijaha Abdul Nawab	Saija
33	3394	Khanzade Zabiha Asif	
34	3395	Kheman Pooja Raghunath	Pooja R.K
35	3396	Khopatkar Ayesha Ashfaq	Ayesha
36	3397	Kirkire Sadiya Shahnawaz	
37	3399	Kotwal Dipeksha Kheludas	
38	3400	Lad Rutuja Bharat	
39	3401	Malusare Swapnali Maruti	
40	3402	Mene Sankita Santosh	
41	3448	Mene Sneha Haribhau	S.H. Mene
42	3403	Mhatre Rajashree Hemant	
43	3404	Mhatre Suvidnya Shashikant	




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Sr. No.	Permanent Number	Name of Student	Signature
44			
45	3406	Monde Sonam Suresh	<u>Monde</u>
46	3407	More Ashwini Ganesh	<u>AMore</u>
47	3408	More Dhanshree Ravindra	<u>D.R. More</u>
48	3409	More Harshada Pradip	<u>H.P. More</u>
49	3411	More Nidhi Sandip	<u>N more</u>
50	3441	More Tanvi Vijay	<u>More</u>
51	3438	Naik Shweta Ramesh	<u>shweta R Naik</u>
52	3413	Natuskar Aqsa Rafique	<u>Aqsa</u>
53	3414	Navshe Kajal Narendra	<u>kajal</u>
54	3415	Nikam Gitanjali Vishwas	<u>G.V. Nikam</u>
55	3416	Padawal Siddhika Sakharam	<u>Padwal</u>
56	3418	Patil Ashwini Ashok	<u>Patil</u>
57	3419	Patil Sanika Ashok	<u>Patil</u>
58	3420	Prajapati Yashoda Bhivaram	<u>yashoda</u>
59	3421	Ratate Divya Dinesh	<u>Ratate</u>
60	3442	Salunkhe Siddhi Vijay	<u>S.V. Salemkhe</u>
61	3422	Sanap Gauri Sunil	<u>Sanap</u>
62	3424	Shedge Janhavi Sachin	<u>Janhavi...</u>
63	3425	Shigavan Rupali Rajesh	<u>Rajgavan</u>
64	3428	Shirke Apeksha Janu	<u>Ashirke</u>
65	3429	Sonavatkar Ankita Mahendra	<u>Ankita</u>




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Sr. No.	Permanent Number	Name of Student	Signature
66	3430	Wadle Durga Rameshwar	<i>Wadle</i>
67	3431	Waghmare Anushka Kantilal	<i>Awaghmare</i>
68	3433	Waghmare Neha Devandra	<i>Nwaghmare</i>
69	3434	Walanj Prajakta Suresh	<i>Surlanj</i>
70	3435	Waskar Sanskruti Sanjay	<i>S.S. Waskar</i>
71	3436	Zolage Aishwarya Ashok	<i>A.A. Zolage</i>



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M. B. More Foundation's
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Dhatav, Tal-Roha



Short term Certificate Course in
'Introduction to Techniques in Plant Propagation'

Department: Science

Duration: 35 hrs

Co-ordinator: Ms. Akshata A. Thakur

Syllabus

- 1) Grafting:**
 - a) Definition of Grafting
 - b) Types of Grafting
 - c) Advantages of Grafting

- 2) Layering**
 - a) Definition of Layering
 - b) Types of Layering
 - c) Advantages of Layering

- 3) Algae :**
 - a) Study the types of Algae
 - b) Definition of Algae
 - c) Economic and importance of Algae (Harmful and useful)

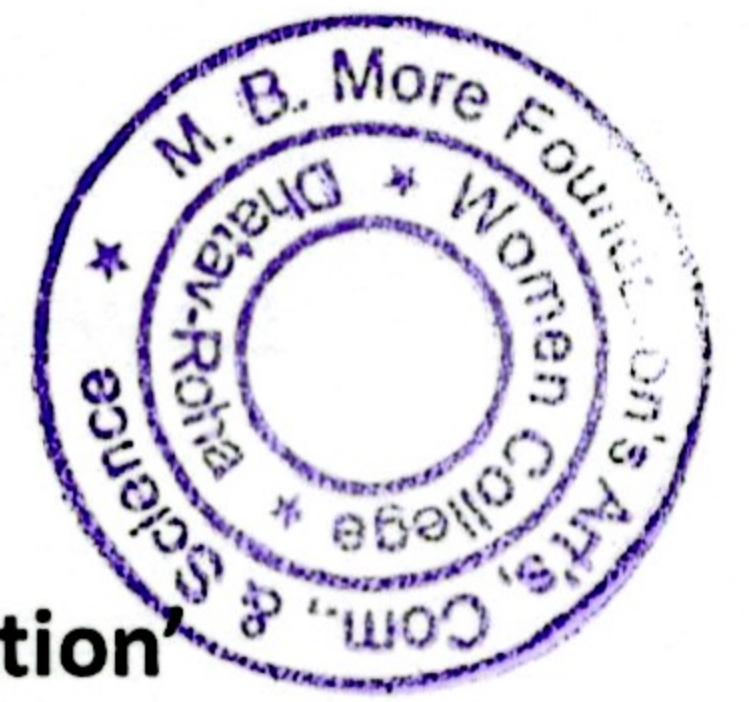
- 4) Practical's :**
 - a) Identification, classification of algae from water sample.
 - b) To study types of Grafting
 - c) To study types of Layering

- 5) Field visit for practical exposure to Techniques in Plant Propagation.**

Akshata
In-charge
Certificate Course
committee
(A.A. Thakur)

A.A. Thakur
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Roha-Raigad



Examination: Certificate course in 'Introduction to Techniques in Plant propagation'

Class: S.Y.B.Sc.

Day/Date: Wednesday, 07th December, 2022

Duration: 1Hr.

Marks: 25 M

- 1) All the following plants can be propagated by leaf cutting except
a) Begonia b) Hibiscus c) Biophytallum d) Sansiveria
- 2) In grafting, the rooted plant is called the stock. The stem cutting from the donor plant is called
a) Transplant b) Scion c) bud graft d) Root stock
- 3) Which of the following method is commonly practiced for root induction
a) Cutting b) Layering c) Grafting d) Budding
- 4) Algae may occur
a) Moist stones b) Moist soils and moist wood
c) Occur in association with fungi d) All of these
- 5) Algae can be found on
a) Sloth bear b) Dog c) Camel d) Rabbit
- 6) Hydrocolloid is
a) Water soluble substances b) Water holding substance
c) Hydrogen gas containing substance d) Oxygen gas containing substance
- 7) Oogamus means-
a) Non motile male gamete b) Large male gamete
c) Non-motile female gamete d) Small female gamete
- 8) An example of colonial Alga is
a) Chlorella b) Volvox c) Ulothrix d) Spirogyra
- 9) Heterocysts are found in
a) Nostoc b) Cystopus c) Ulothrix d) Aspergillus
- 10) What is the storage product of most algae?
a) Cellulose b) glycogen c) Starch and oil d) Fat
- 11) The study of Algae is called as
a) Mycology b) Phycology c) Microbiology d) Bacteriology
- 12) Which of the following is green Algae
a) Chlorophyceae b) Phaeophyta
d) Rhodophyceae d) None of these
- 13) Alginate acid is obtained from
a) Brown algae b) Red algae
c) Yellow – green d) Golden algae
- 14) The method of layering in which rooting is induced at different nodes simultaneously in the soil is called compound layering. It is also called as
a) Air layering b) Serpentine layering
c) Trench layering d) mound layering
- 15)year old shoot is used for layering
a) One b) two c) Two and half d) Five months
- 16) is natural method of reproduction of black berries and Raspberries
a) Simple layering b) Tip layering
c) Cutting d) Strench layering
- 17) Horticulture is the study that includes
a) Fruits, vegetables and flowers
b) All food crops
c) Vegetable gardens and lawns near hotels
d) Some bush crops and apples


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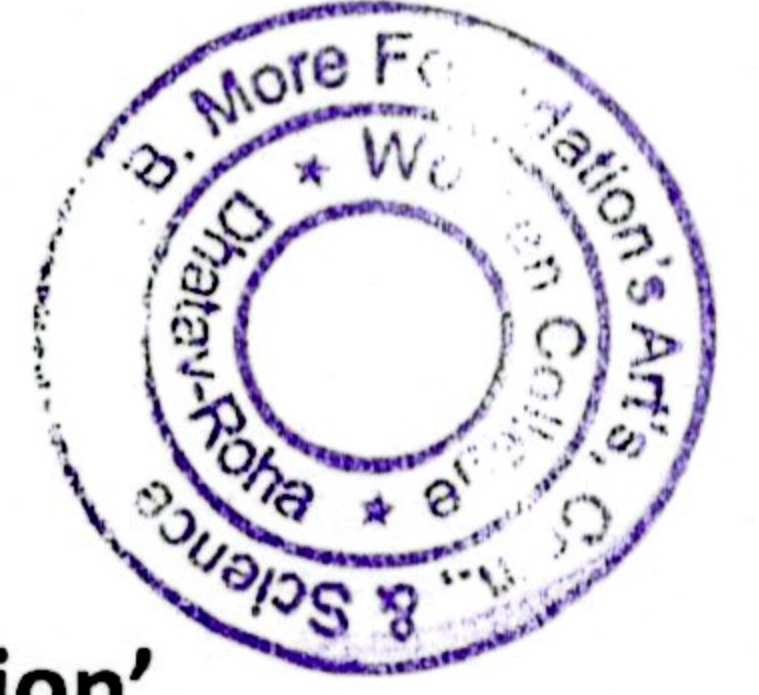
- 18) What is Grafting?
 a) Process by which 3 different plants are unite
 b) Process by which 2 different plants are united so that the grow
 c) Process by which a plants roots are above ground
 d) Process by which a plant can not grow
- 19) How many year old shoot is require for Layering?
 a) Two b) Three c) One d) Four
- 20) Artificial methods of vegetative propagation includes
 a) Cloning b) Grafting c) Cutting d) both b and c
- 21) The methods of inducing rooting by girdling aerial braches is called Air Layering. Air layering is also called as _____
 a) Gotee b) Chinese Layering c) Pot Layering d) all of these
- 22) What is the commercial propagation method of Cherry?
 a) Air layering b) Cutting c) Patch budding d) Stooling
- 23) Litchi is an example of which layering?
 a) Compound layering b) Air layering c) Simple layering d) Mould layering
- 24) The _____ is the vegetative body is algae.
 a) Mycelium b) Pseudoplasmodium
 c) is scattered the least by smoke or fog d) Thallus
- 25) Parasitic algae is _____
 a) Cephaluros b) Ulothrix c) Spirogyra d) Chlamydomonas

Thakur
 In-charge
 Certificate course
 Committee
 (A. A. Thakur)



[Signature]
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Certificate Course in 'Introduction to Techniques in Plant propagation'

Final Mark list

Sr. No.	Name of the students	Class	Theory (25)	Project work (25)	Total Score
1	AMBRUSKAR JANHAVI MAHENDRA	S.Y.B.Sc	18	24	42
2	BAMUGADE SANIKA VINOD	S.Y.B.Sc	23	21	44
3	BHATT PRATIKSHA YAJUVENDRA	S.Y.B.Sc	18	19	37
4	BHOIR PRIYA NARESH	S.Y.B.Sc	21	22	43
5	BHOIR SANIYA VITHOBA	S.Y.B.Sc	18	23	41
6	BHONKAR PAYAL PRAFULL	S.Y.B.Sc	24	20	44
7	BODRE PRITEE RAJESH	S.Y.B.Sc	22	19	41
8	CHAVAN ASHVINI PRABHAKAR	S.Y.B.Sc	21	20	41
9	CHAVAN LAXMIBAI DIGAMBAR	S.Y.B.Sc	22	20	42
10	DAKE PALLAVI PANDURANG	S.Y.B.Sc	19	19	38
11	DESHMUKH NEHA SUSHANT	S.Y.B.Sc	20	19	39
12	DEVKAR SHIVKANYA ASHOK	S.Y.B.Sc	22	22	44
13	FARADE SANIKA RAM	S.Y.B.Sc	23	22	45
14	GAIKAR BHAGYASHRI DINKAR	S.Y.B.Sc	23	21	44
15	GAIKAR PAYAL PRABHAKAR	S.Y.B.Sc	23	21	44
16	GAIKWAD MRUNALI NANDESH	S.Y.B.Sc	18	19	37
17	GEHLOT RIYA JAGDISH	S.Y.B.Sc	19	24	43
18	GHAG AAKANKSHA GHANSHYAM	S.Y.B.Sc	17	20	37
19	GOLIPKAR SONALI MAHESH	S.Y.B.Sc	18	21	39
20	JADHAV JYOTI BALARAM	S.Y.B.Sc	18	18	36
21	JADHAV RUTUJA RAJESH	S.Y.B.Sc	19	19	38
22	JANGAM SEJAL GOPINATH	S.Y.B.Sc	19	23	42
23	KADU ZULEKHA UMER	S.Y.B.Sc	25	19	44
24	KALEKAR PRERANA PRAKASH	S.Y.B.Sc	25	18	43
25	KAMBLE NEHA VITTHAL	S.Y.B.Sc	25	20	45
26	KANHEKAR ANKITA PRAKASH	S.Y.B.Sc	24	20	44
27	KAPSE SAKSHI SANJAY	S.Y.B.Sc	19	20	39
28	KARJIKAR SAMIYA SAMAD	S.Y.B.Sc	21	23	44
29	KATAM SANIKA MAHESH	S.Y.B.Sc	18	19	37
30	KHAMKAR DIKSHA DILIP	S.Y.B.Sc	19	17	36
31	KHAN FIRDOUS ABDUL	S.Y.B.Sc	18	17	35
32	KHAN SAIJAHAB ABDUL NAWAB	S.Y.B.Sc	21	17	38
33	KHANZADE ZABIHA ASIF	S.Y.B.Sc	19	24	43

[Signature]
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34	KHEMAN POOJA RAGHUNATH	S.Y.B.Sc	20	24	44
35	KHOPATKAR AYESHA ASHFAQ	S.Y.B.Sc	19	24	43
36	KIRKIRE SADIYA SHAHNAWAZ	S.Y.B.Sc	19	24	43
37	KOTWAL DIPEKSHA KHELUDAS	S.Y.B.Sc	20	18	38
38	LAD RUTUJA BHARAT	S.Y.B.Sc	20	18	38
39	MALUSARE SWAPNALI MARUTI	S.Y.B.Sc	20	23	43
40	MENE SANKITA SANTOSH	S.Y.B.Sc	21	19	40
41	MENE SNEHA HARIBHAU	S.Y.B.Sc	20	19	39
42	MHATRE RAJASHREE HEMANT	S.Y.B.Sc	22	22	44
43	MHATRE SUVIDNYA SHASHIKANT	S.Y.B.Sc	22	19	41
44	MONDE SONAM SURESH	S.Y.B.Sc	23	19	42
45	MORE ASHWINI GANESH	S.Y.B.Sc	21	19	40
46	MORE DHANSHREE RAVINDRA	S.Y.B.Sc	21	18	39
47	MORE HARSHADA PRADIP	S.Y.B.Sc	18	20	38
48	MORE NIDHI SANDIP	S.Y.B.Sc	18	24	42
49	MORE TANVI VIJAY	S.Y.B.Sc	21	24	45
50	NAIK SHWETA RAMESH	S.Y.B.Sc	22	19	41
51	NATUSKAR AQSA RAFIQUE	S.Y.B.Sc	21	20	41
52	NAVSHE KAJAL NARENDRA	S.Y.B.Sc	23	19	42
53	NIKAM GITANJALI VISHWAS	S.Y.B.Sc	22	18	40
54	PADAWAL SIDDHIKA SAKHARAM	S.Y.B.Sc	21	20	41
55	PATIL ASHWINI ASHOK	S.Y.B.Sc	22	19	41
56	PATIL SANIKA ASHOK	S.Y.B.Sc	22	18	40
57	PRAJAPATI YASHODA BHIVARAM	S.Y.B.Sc	22	21	43
58	RATATE DIVYA DINESH	S.Y.B.Sc	22	23	45
59	SALUNKHE SIDDHI VIJAY	S.Y.B.Sc	20	24	44
60	SANAP GAURI SUNIL	S.Y.B.Sc	19	24	43
61	SHEDGE JANHAVI SACHIN	S.Y.B.Sc	19	17	36
62	SHIGAVAN RUPALI RAJESH	S.Y.B.Sc	21	20	41
63	SHIRKE APEKSHA JANU	S.Y.B.Sc	20	19	39
64	SONAVATKAR ANKITA MAHENDRA	S.Y.B.Sc	22	17	39
65	WADLE DURGA RAMESHWAR	S.Y.B.Sc	20	21	41
66	WAGHMARE ANUSHKA KANTILAL	S.Y.B.Sc	19	22	41
67	WAGHMARE NEHA DEVANDRA	S.Y.B.Sc	15	21	36
68	WALANJ PRAJAKTA SURESH	S.Y.B.Sc	14	17	31
69	WASKAR SANSKRUTI SANJAY	S.Y.B.Sc	21	18	39
70	ZOLAGE AISHWARYA ASHOK	S.Y.B.Sc	21	21	42

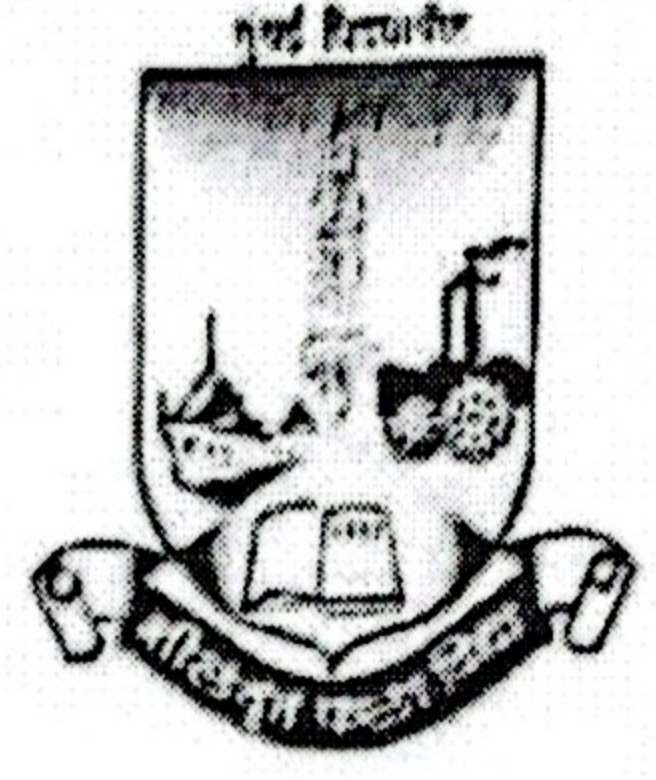
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In-charge
Certificate Course
Committee
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Certificate

This is to Certify that

Ms. Prajapati Yashoda Bhivaram

Class: S.Y.B.Sc.

participated in the short term certificate course

on

Introduction to Techniques in plant propagation.

Conducted by

College certificate course committee

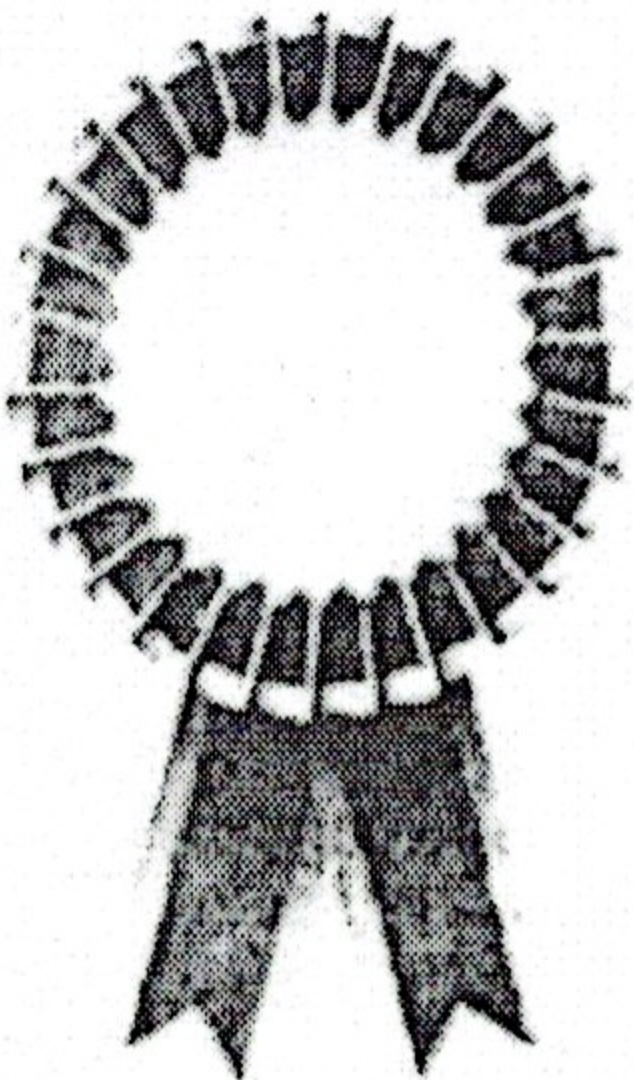
from

28/11/2022 to 02/01/2023 (1 month weeks)

And completed successfully

with 'A⁺' Grade

Date : 02/01/2023



Arakus
Coordinator

[Signature]
Principal
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