

Date: 02/01/2022

TO,
The Principal,
Arts, Science and Commerce College,
At-Onde, Tal- Vikramgad
Dist.-Palghar 401605

Subject -: Regarding grant permission to start Certificate Course in Basic
Grafting Techniques


Respected Sir,

With reference above mentioned subject, I wish to start *Certificate Course in Basic Grafting Techniques* for our college students from 1st to 18th February, 2022 at 03.10 pm to 5.10 pm. This program is beneficial for our students as they will gather knowledge about grafting techniques used in nurseries and farms, which is not included in their academic syllabus. I will be very glad if you grant permission to run this course.

Thanking you in anticipation.

Permission Granted
02/01/2022

Yours faithfully,



Mr. Namdeo V. Mahale
Head Department of Botany



**Sanjeevan Gramin Vaidyakiya & Samajik Sahayata Pratishthan's
Arts, Commerce and Science College,
Onde Tal. - Vikramgad Dist. - Palghar 401605
(Affiliated to the University of Mumbai)**

**Department of Botany
Organises**

“CERTIFICATE COURSE IN BASIC GRAFTING TECHNIQUES”

Eligibility: FY/SY/ TY/ BA/B. Com/ B.Sc.

**Commencement of Course: 1st to 18th February, 2022
Course Duration: 30 hours**

Time: Every Saturday 03.10 pm to 5.10 pm

Number of Seats Available: 30 only

**Date of Registration: 15th to 30th January, 2022
(Admission on first-come-first serve basis)**

**Course Co-ordinator
Mr. Namdeo V. Mahale
(Assistant Professor in Botany)
Contact No: 9922361425**

CERTIFICATE COURSE IN BASIC GRAFTING TECHNIQUES

Syllabus

1. Definition of grafting.
2. Basic terminology- Scion, stock, cambium, vascular tissues (xylem, phloem), sap, callus, mother plant.
3. Limitations in grafting
4. Reasons of grafting failure
5. Materials and tools- Knives, Scissors, Saw, insulation tape, protective and tying material, sharpening stone and other tools.
6. Types of grafting:
 1. Detached grafting
 - A. Apical grafting- Whip and tongue grafting, Slice grafting, Cleft grafting, Wedge grafting, saddle grafting, Four flap grafting (Banana grafting)
 - B. Side grafting- Side veneer grafting, Side- tongue grafting
 - C. Bark grafting- Bark graft (rind grafting)
 - D. Root grafting- Whole root and piece root grafting
 2. Approach grafting
 - A. Sliced approach grafting
 - B. Tongued approach grafting
 - C. Inlay approach grafting
 3. Repair grafting
 - A. Inarch
 - B. Bridge grafting
 - C. Bracing
 4. Soft wood grafting
 5. Epicotyl grafting

Methodology: Classroom teaching, power point presentation, practical demonstration, practice.

Evaluation Method: A total 50-marks examination will be held that includes

A. Test: 20 Marks

B. Practical: 30 Marks

Objective of the Course:

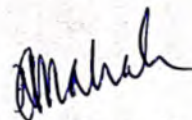
1. Significance of grafting techniques.
2. To know different methods of grafting.

Expected Learning Outcomes: After completing

- Students can successfully perform different grafting techniques.
- Learners will able to know criteria for successful grafting.
- Explain what and why different grafting techniques are used for different plant species.
- Learners will able to know the benefits of grafting.
- Learners will know limitations in grafting
- Learners will able to know the reasons of grafting failure

Student Enrolment
Certificate Course in Basic Grafting Techniques
(2021-22)

Sr. No.	Name of the Student	Class	Contact Number
1.	Atkari Asmita Ravindra	F.Y.B.Sc.	9918769473
2.	Baraf Rohit Nandkumar	F.Y.B.Sc.	8485884539
3.	Baraf Sanjay Chandu	F.Y.B.Sc.	8767946871
4.	Belkar Narendra Sitaram	F.Y.B.Sc.	7262968975
5.	Bhadange Ritu Dinkar	F.Y.B.Sc.	8262892163
6.	Bhandar Sahil Devram	F.Y.B.Sc.	9370558628
7.	Bhogade Dipin Chandar	F.Y.B.Sc.	9307481649
8.	Bagul Pranjal Laxman	F.Y.B.Sc.	9960477751
9.	Chaudhari Sameer Sonya	F.Y.B.Sc.	7821822296
10.	Dalvi Bhavana Suresh	F.Y.B.Sc.	9545182087
11.	Dayat Ashwini Madhukar	F.Y.B.Sc.	9881042518
12.	Dhadga Madhukar Balu	F.Y.B.Sc.	9529936790
13.	Dhodade Akshay Vasant	F.Y.B.Sc.	9284569787
14.	Gimbhal Vaibhav Bandu	F.Y.B.Sc.	9699863834
15.	Jadhav Shraddha Avikant	F.Y.B.Sc.	9373436686
16.	Jadhav Tejasvi Dipak	F.Y.B.Sc.	8010665308
17.	Joshi Namrata Ramesh	F.Y.B.Sc.	7875161642
18.	Mahale Sandesh Devram	F.Y.B.Sc.	9545947227
19.	Patil Gauri Sudam	F.Y.B.Sc.	7798191421
20.	Rade Vaibhav Ramchandra	F.Y.B.Sc.	8788995341
21.	Sambare Vaishnavi Pravin	F.Y.B.Sc.	9322590533
22.	Sanwar Vishal Mohan	F.Y.B.Sc.	9579081528
23.	Sapata Nikhil Chandrakant	F.Y.B.Sc.	8262837705
24.	Shanwar Bhupendra Vilas	F.Y.B.Sc.	7066946082
25.	Tarvi Chetana Dinesh	F.Y.B.Sc.	8793825322
26.	Wadu Pramod Kamalakar	F.Y.B.Sc.	9307826702



Course Co-ordinator
Mr. Namdeo V. Mahale

Sanjeevan Gramin Vaidyakiya & Samajik Sahayata Pratishthan's
Arts, Commerce and Science College,
 Onda Tal. - Vikramgad Dist. - Palghar 401605

Certificate Course in Basic Grafting Techniques
Attendance
Academic Year 2021-22

Sr. No.	Name of the Student	01 02/2022	02 02/2022	03 02/2022	04 02/2022	05 02/2022	08 02/2022	09 02/2022	10 02/2022	11 02/2022	12 02/2022	14 02/2022	15 02/2022	16 02/2022	17 02/2022	18 02/2022
1	Atkari Asmita Ravindra	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
2	Baraf Rohit Nandkumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Baraf Sanjay Chandu	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Belkar Narendra Sitaram	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
5	Bhadange Ritu Dinkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Bhandar Sahil Devram	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Bhogade Dipin Chandar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Bagul Pranjal Laxman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Chaudhari Sameer Sonya	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
10	Dalvi Bhavana Suresh	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
11	Dayat Ashwini Madhukar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Dhadga Madhukar Balu	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
13	Dhodade Akshay Vasant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Gimbhal Vaibhav Bandu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Jadhav Shraddha Avikant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Jadhav Tejasvi Dipak	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P

17	Joshi Namrata Ramesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Mahale Sandesh Devram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Patil Gauri Sudam	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
20	Rade Vaibhav Ramchandra	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
21	Sambare Vaishnavi Pravin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Sanwar Vishal Mohan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Sapata Nikhil Chandrakant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Shanwar Bhupendra Vilas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Tarvi Chetana Dinesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Wadu Pramod Kamalakar	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P



Course Co-ordinator
Mr. Namdeo V. Mahale



**Sanjivan Gramin Vaidyakiya and Samajik Sahayata Pratishthan's
Arts, Commerce and Science College Onde Tal.- Vikramgad Dist.- Palghar (MS) 401605
(NAAC Accredited and Affiliated to University of Mumbai)**

Website:- www.acscollegeonde.ac.in

Of
Department of Botany

CERTIFICATE

This is to certify that,

Mr./Miss _____ of class _____

Has completed a "**Certificate Course in Basic Grafting Techniques**" organised by Department of Botany of Arts, Commerce and Science College Onde, Tal-Vikramgad Dist.- Palghar (MS) 401605 from 1st February 2022 to 18th February, 2022.

Mr. Namdeo V. Mahale
Course Co-ordinator

Dr. Vinod S. Sonawane
I/C Principal