

Rayat Shikshan Santha's  
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani  
Commerce College, Kopargaon.**

Department of Botany  
**Outcome of the Short term Course  
Fruit Processing Technology-2019-2020**

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The importance of this course, to fulfill the need of well-trained technician to Food Processing Industries and to promote self-employment for establishment of food processing industries.

To provide training to housewives, fruit and vegetable producers and to others to make them aware about the utilization of local products and to make changes in their food trend.

To maintain the quality and nutrition of processed food for the safe utilization of consumer.



Head

Department of Botany

Head

Department of Botany  
S.S.G.M. College, Kopargaon

Rayat Shikshan Santha's  
Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani  
Commerce College, Kopargaon, District Ahmednagar, 423601

**Department of Botany**

**Short Term Course on Fruit Processing Technology**

**Board of Studies**

**2019-2020**

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Committee for framing syllabus for a Short term Certificate Course on "Fruit Processing Technology" to be conducted by Department of Botany was as follows:

1. Prin. Dr. S.R.Thopate (Chairman)
2. Dr.A.K.Mohite (Head and Member)
3. Mr. B.D. Verpe (Member)
4. Dr. N.V. Malpure (Member)
5. Dr. D.R. Wakchaure (Member, Ashwamedh Agrotech Ltd.)
6. Dr. M.V.Pachore (Alumni)



A handwritten signature in blue ink, appearing to be "A.K. Mohite".

**Head**

**Department of Botany  
S.S.G.M.College,Kopargaon**



Rayat Shikshan Sanstha's,  
Shri Sadguru Gangageer Maharaj Science, Gautam Arts and Sanjivani Commerce  
College, Kopargaon, District Ahmednagar, 423601

Department of Botany  
Syllabus  
Short Term Course: 2018-20  
Fruit Processing Technology

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Marks: 100 (T-40 & P- 60)

Total Lecture: 48

**Section: I**

**Theory: 12 L**

1. Introduction: Importance of Fruits and Vegetables & its marketing aspects.
2. Technology: Nature of the fruits & vegetables in respect of their preservation. Different terms used in processing. Principle & techniques involved for different fruit & vegetable preservation
3. Canning operations on fruits and vegetables. Process flow diagram for canning. Canning machineries. Pre-treatment's before canning operations.
4. Fruits and vegetable drying/dehydration: General methods of fruits & vegetable drying/dehydration, sun drying, mechanical drying. Types of dryers, characteristics of dried fruits and vegetables
5. Principle of making jam and jellies as per availability of the fruits. Process flow diagram for jam and jellies. Principle and methods of production.
6. Methods of preparation of tomato ketchup, burphy, candies, juices.
7. Marketing: Market survey procedures. Marketing strategies. Methods of marketing feedback. Cost analysis & attractive packaging. Advertising procedure.

**Section: II**

**Practical: 36 L**

1. Procure seasonal fruits and vegetable from market.
2. Drying operations of fruits and vegetables using different dryers.
3. Preparation of Jam.

4. Preparation of Jellies.
5. Preparation of Juices.
6. Preparation of Squashes.
7. Preparation of Burphy.
8. Preparation of Candies
9. Packing, labeling and sealing of prepared fruit products.



Head,  
Department of Botany,  
S.S.G.M. College, Kopargaon

S.S.G.M. College, Kopergaon

T.Y. B.Sc. 2019-20

Botany

Admission list of Students

Subject – Fruit Processing.

Sr. No.	Name of Student	Fee collected	Signature
1.	Baviskar Pooja Vijay	200/-	Baviskar
2.	Gaikwad Pooja Vilas	200/-	Gaikwad
3.	Ghusale Manisha Santosh	200/-	Ghusale
4.	Gudhaghe Shubhangi Maruti	200/-	Gudhaghe
5.	Jape Priyanka Nandkumar	200/-	Jape
6.	Jorwekar Amruta Dilip	200/-	Jorwekar
7.	Kharat Anita Kantilal	200/-	Kharat
8.	Kole Akash Raghunath	200/-	Kole
9.	Kolhe Sumitra Shankarrao	200/-	Kolhe
10.	Labbe Asma Kadar	200/-	Labbe
11.	Lokhande Vaishnavi Dnyaneshwar	200/-	Lokhande
12.	Mahale Pallavi Anil	200/-	Mahale
13.	More Tejal Dadasaheb	200/-	More
14.	Motkar Ashwini Bhaskar	200/-	Motkar
15.	Nikam Pragati Kakasaheb	200/-	Nikam
16.	Pawar Yogesh Tulshidas		
17.	Sambherao Mayuri Prabhakar	200/-	Sambherao
18.	Titwe Sagar Bhausaheb	200/-	Titwe
19.	Tiwari Raj Sunil	200/-	Tiwari
20.	Tupke Shivani Dnyaneshwar	200/-	Tupke

  
Head

Head  
Department of Botany  
S.S.G.M. College, Kopergaon



Date : 17/07/2019

**NOTICE**

All the students of T.Y.B.Sc. (Botany) are hereby informed that short term course "Fruit Processing" is available to you. All interested students ~~are~~ should contact Dr. Miss. Davange S.B. for the admission process along with fees Rs. 200/- (two hundred only) up to 20/09/2019 in the staff room.



Dr. S.B. Davange

Co-ordinator



Head

Department of Botany  
S.S.G.M. College, Kopergaon

Rayat Shikshan Santha's  
Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani  
Commerce College, Kopargaon.  
Department of Botany

APPLICATION FORM

Short Term Course 2019-2020

Name of the Course: Fruit Processing Technology

1. Full name in English (Block letters): TIJWE SAGAR BHAUSAHEB.  
(Surname First)

2. Full Name in Devnagari: टिजे सागर भासाहेब

3. Date of birth: 30-07-1998

4. Sex: Male

5. Name of the College: S. S. G. M. College Kopargaon.

6. Address: A/p- staire dal, yeda. (Nashik)

7. Email: Sageetian11@gmail.com.

8. Mobile No: 8766526575

9. Faculty: TY: bsc (Bot)

10. Aim: .....

11. Other: .....

Date 04-02-2020

Tijwe  
Signature of the student

2002  
Co-Ordinature

Shripate  
Principal  
S. S. G. M. College, Kopargaon

Rayat Shikshan Santha's  
Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani  
Commerce College, Kopargaon.  
Department of Botany

APPLICATION FORM

Short Term Course 2019-2020

Name of the Course: Fruit Processing Technology

1. Full name in English (Block letters): GHUSALE MANISHA SANTOSH  
(Surname First)

2. Full Name in Devnagari: घुसले मनिशा संतोष

3. Date of birth: 08 - Dec - 1999

4. Sex: Female

5. Name of the College: S.S.G.M. College Kopargaon

6. Adress: At. pt. Godhegaon, Tal- Kopargaon  
Dist - A - Nagar - 423603

7. Email: manishaghosale2020@gmail.com

8. Mobile No: 7038580992

9. Faculty: T.Y. B.Sc (Botany)

10. Aim: Fruit processing techniques.

11. Other:

Date 03-02-2020

Ghusale  
Signature of the student

Prasad  
Co-Ordinature

Prasad  
Principal  
S. S. G. M. College, Kopargaon



Rayat Shikshan Santha's  
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani  
Commerce College, Kopargaon.**

Department of Botany

Short-Term Course-2019-2020

**Subject-Fruit Processing Technology**

**Class-T. Y. BSc. (Botany)**

**Time – Table**

Sr. No.	Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	7.55-8.40	Practical	Practical				
2	8.40-9.25	Practical	Practical				
3	9.25-10.10	Practical	Practical	Theory	Theory	Theory	Theory
4	10.10-10.55	Practical	Practical	Theory	Theory	Theory	Theory



Head

Department of the Botany  
Department of Botany  
S.S.G.M. College, Kopargaon

S.S.G.M. College, Kopargaon  
**Short Term Course-2019-2020**  
**Department of Botany**

**Subject – Fruit Processing**

**Student Attendance Class- T. Y. BSc.**

**Month- December - 2019**

Sr. No.	Name of Student	4/12	8/12	12/12	16/12	21/12	26/12	27/12	28/12
1.	Baviskar Pooja Vijay	P	A	P	P	A	A	A	P
2.	Gaikwad Pooja Vilas	P	P	P	P	P	P	P	P
3.	Ghusale Manisha Santosh	P	P	P	P	P	P	P	P
4.	Gudhaghe Shubhangi Maruti	A	P	P	P	P	P	P	P
5.	Jape Priyanka Nandkumar	P	P	P	P	P	P	P	P
6.	Jorwekar Amruta Dilip	P	P	P	A	P	P	P	P
7.	Kharat Anita Kantilal	P	P	P	P	P	P	P	P
8.	Kole Akash Raghunath	P	A	P	P	P	P	P	P
9.	Kolhe Sumitra Shankarrao	A	P	P	P	P	P	P	P
10.	Labbe Asma Kadar	P	P	P	P	P	P	P	P
11.	Lokhande Vaishnavi Dnyaneshwar	P	P	P	P	P	P	P	P
12.	Mahale Pallavi Anil	P	P	A	P	A	P	P	P
13.	More Tejal Dadasaheb	P	A	P	A	P	P	P	P
14.	Motkar Ashwini Bhaskar	P	P	P	P	P	A	P	P
15.	Nikam Pragati Kakasaheb	P	P	P	P	P	P	A	P
16.	Pawar Yogesh Tulshidas	P	P	P	A	A	P	P	P
17.	Sambherao Mayuri Prabhakar	P	P	A	P	P	P	P	P
18.	Titwe Sagar Bhausasheb	D	A	P	P	P	P	P	P
19.	Tiwari Raj Sunil	P	P	P	P	P	P	A	P
20.	Tupke Shivani Dnyaneshwar	P	P	A	P	P	P	P	A

T+P

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T+P

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T+P

  
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 Department of Botany  
 S.S.G.M. College, Kopargaon

S.S.G.M. College, Kopargaon  
**Short Term Course-2019-2020**  
**Department of Botany**

**Subject – Fruit Processing**

**Student Attendance Class- T. Y. BSc.**

**Month- January -2020**

Sr. No.	Name of Student	2/1	4/1	7/1	11/1	13/1	16/1	20/1	30/1
1.	Baviskar Pooja Vijay	A	A	P	P	A	P	P	P
2.	Gaikwad Pooja Vilas	P	P	P	P	P	P	P	P
3.	Ghusale Manisha Santosh	P	P	P	P	P	P	P	P
4.	Gudhaghe Shubhangi Maruti	P	P	P	P	P	A	A	A
5.	Jape Priyanka Nandkumar	P	P	P	P	P	P	P	P
6.	Jorwekar Amruta Dilip	P	P	P	P	P	P	P	P
7.	Kharat Anita Kantilal	P	P	P	A	P	P	A	P
8.	Kole Akash Raghunath	A	P	P	P	P	P	P	P
9.	Kolhe Sumitra Shankarrao	P	P	P	P	P	P	A	P
10.	Labbe Asma Kadar	P	P	P	P	A	P	P	P
11.	Lokhande Vaishnavi Dnyaneshwar	A	P	A	P	P	P	P	P
12.	Mahale Pallavi Anil	P	P	P	P	P	P	P	P
13.	More Tejal Dadasaheb	P	P	A	A	P	P	A	P
14.	Motkar Ashwini Bhaskar	A	P	P	P	P	P	P	A
15.	Nikam Pragati Kakasaheb	P	P	P	P	P	P	P	P
16.	Pawar Yogesh Tulshidas	P	A	P	P	P	P	A	A
17.	Sambherao Mayuri Prabhakar	P	P	P	P	A	P	P	P
18.	Titwe Sagar Bhausahab	P	P	A	P	P	P	A	P
19.	Tiwari Raj Sunil	P	A	P	P	P	P	P	P
20.	Tupke Shivani Dnyaneshwar	P	P	P	A	A	P	P	P

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 Department of Botany  
 S.S.G.M. College, Kopargaon



S.S.G.M. College, Kopargaon  
**Short Term Course-2019-2020**  
**Department of Botany**

**Subject – Fruit Processing**

**Student Attendance Class- T. Y. BSc.**

**Month- February-2020**

Sr. No.	Name of Student	3/2	6/2	8/2	11/2	15/2	17/2		
1.	Baviskar Pooja Vijay	P	P	P	P	P	P		
2.	Gaikwad Pooja Vilas	P	P	P	P	A	P		
3.	Ghusale Manisha Santosh	P	P	P	P	P	P		
4.	Gudhaghe Shubhangi Maruti	P	P	P	P	P	P		
5.	Jape Priyanka Nandkumar	P	P	P	A	P	P		
6.	Jorwekar Amruta Dilip	P	P	P	P	P	P		
7.	Kharat Anita Kantilal	P	P	P	P	P	P		
8.	Kole Akash Raghunath	P	P	P	P	P	P		
9.	Kolhe Sumitra Shankarrao	P	P	P	P	P	P		
10.	Labbe Asma Kadar	P	P	P	P	P	P		
11.	Lokhande Vaishnavi Dnyaneshwar	P	P	P	P	P	P		
12.	Mahale Pallavi Anil	P	P	P	P	P	P		
13.	More Tejal Dadasaheb	P	P	P	P	P	P		
14.	Motkar Ashwini Bhaskar	P	A	P	A	P	P		
15.	Nikam Pragati Kakasaheb	P	P	A	P	P	P		
16.	Pawar Yogesh Tulshidas	P	A	P	P	A	P		
17.	Sambherao Mayuri Prabhakar	P	P	P	P	P	P		
18.	Titwe Sagar Bhausaheb	P	P	P	P	P	P		
19.	Tiwari Raj Sunil	P	A	P	P	P	P		
20.	Tupke Shivani Dnyaneshwar	P	P	P	P	P	P		

Theory + P.

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Head

Head  
 Department of Botany  
 S.S.G.M. College, Kopargaon



Rayat Shikshan Santha's  
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani**  
**Commerce College, Kopargaon.**  
Department of Botany  
Short-Term Course-2019-2020

**Subject-Fruit Processing Technology**

**Class-T. Y. BSc. (Botany)**

**Date- 9/03/2020**

**Marks-40**

Q.1- Answer the following in two to three lines.

12 Marks .

1. What is the preservation?
2. Write down in briefly attractive packaging.
3. What is canning?
4. What is mean by dehydration of fruit?

Q.2- Answer the following in briefly.

08 Marks

1. Write down the principle of production of jam.
2. Write down the characteristic of dried fruits and vegetables.

Q.3- Write short note on.

20 Marks

1. Mechanical drying
2. Procedure of amala candy
3. Types of dryers.

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Department of Botany

Short-Term Course-2019-2020

Subject-Fruit Processing Technology

Class-T. Y. BSc. (Botany)


Date- 12/08/2020

Final Mark- list

S. N.	Roll No	Name of Student	Marks out of 40	Grade
1.	8251	Baviskar Pooja Vijay	35	O
2.	8252	Gaikwad Pooja Vilas	32	A
3.	8253	Ghusale Manisha Santosh	33	A
4.	8254	Gudhaghe Shubhangi Maruti	36	O
5.	8256	Jape Priyanka Nandkumar	33	A
6.	8257	Jorwekar Amruta Dilip	34	A
7.	8259	Kharat Anita Kantilal	33	A
8.	8260	Kole Akash Raghunath	33	A
9.	8261	Kolhe Sumitra Shankarrao	33	A
10.	8262	Labbe Asma Kadar	32	A
11.	8263	Lokhande Vaishnavi Dnyaneshwar	30	A
12.	8264	Mahale Pallavi Anil	33	A
13.	8265	More Tejal Dadasaheb	38	O
14.	8266	Motkar Ashwini Bhaskar	31	A
15.	8267	Nikam Pragati Kakasaheb	30	A
16.	8268	Pawar Yogesh Tulshidas	35	O
17.	8269	Sambherao Mayuri Prabhakar	34	A
18.	8270	Titwe Sagar Bhausaheb	30	A
19.	8271	Tiwari Raj Sunil	30	A
20.	8272	Tupke Shivani Dnyaneshwar	36	O

  
Co-ordinator

(Dr. S.B. Davange)

  
Head  
Department of the Botany  
Department of Botany  
S.S.G.M College, Kopargaon

Rayat Shikshan Santha's  
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani  
Commerce College, Kopargaon.**

Department of Botany

Short-Term Course-2019-2020

**Subject-Fruit Processing Technology Class-T. Y. BSc. (Botany)**

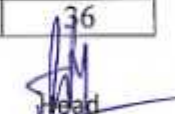
**Date- 12/08/2020**

**Final Mark- list**

S. N.	Roll No	Name of Student	Marks out of 40
1.	8251	Baviskar Pooja Vijay	35
2.	8252	Gaikwad Pooja Vilas	32
3.	8253	Ghusale Manisha Santosh	33
4.	8254	Gudhaghe Shubhangi Maruti	36
5.	8256	Jape Priyanka Nandkumar	33
6.	8257	Jorwekar Amruta Dilip	34
7.	8259	Kharat Anita Kantilal	33
8.	8260	Kole Akash Raghunath	33
9.	8261	Kolhe Sumitra Shankarrao	33
10.	8262	Labbe Asma Kadar	32
11.	8263	Lokhande Vaishnavi Dnyaneshwar	30
12.	8264	Mahale Pallavi Anil	33
13.	8265	More Tejal Dadasaheb	38
14.	8266	Motkar Ashwini Bhaskar	31
15.	8267	Nikam Pragati Kakasaheb	30
16.	8268	Pawar Yogesh Tulshidas	35
17.	8269	Sambherao Mayuri Prabhakar	34
18.	8270	Titwe Sagar Bhausasheb	30
19.	8271	Tiwari Raj Sunil	30
20.	8272	Tupke Shivani Dnyaneshwar	36

  
Co-ordinator

(Dr. S. B. Darange)

  
Department of the Botany

Department of Botany  
Class- T.Y.B.Sc- Botany

Subject- Feedback form of short term course

2019-2020

Name of the Course- Fruit Processing Technology

Feed back Date: 02/03/2020

Name of the student Gudaghe Shubhangi maruti

About the Course Information on the Respondent: (Tick (✓) Appropriately)

Questionary	Excellent	Very Good	Good	Satisfactory	Poor
1. Pace of the Teaching/lecture		✓			
2. Were objectives of the course clear to you?		✓			
3. Comment of the Subject		✓	✓		
4. The course contents compared with your expectations?	✓				
5. Level of preparation					
7. Level of interaction			✓		
8. Others (please specify)					

1. What aspects of the training could be improved?

Training should complete in time.

2. How do you hope to change your practice as a result of this Course?

→ Courses are completed in limited time.

3. What additional of this course would you like to have in the future?

→ We have more processing technique to learn.

Gudaghe

Sign of the Student





“Education Through Self - Help is our Motto” Karmaveer  
Rayat Shikshan Sanstha's

# Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani Commerce College



Kopargaon, Dist. Ahmednagar (M.S.)

## Short Term Course

### CERTIFICATE OF COMPLETION

This is to Certify that Shri/Kum. \_\_\_\_\_  
of Class \_\_\_\_\_ has Completed Short Term Course in \_\_\_\_\_  
\_\_\_\_\_ conducted by the department of \_\_\_\_\_  
during the academic year 201 /201

Course Co-ordinator

Co-ordinator

Principal

Class- T.Y.B. Sc. 2019-2020  
Photograph of Food Processing Technology  
Guva Barfi





**Class- T.Y.B. Sc.**  
**Photograph of Food Processing Technology**  
**Guva Barfi**

**2019-2020**



Rayat Shikshan Santha's  
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani  
Commerce College, Kopargaon.**

Department of Botany  
Short-term course 2019-2020

Sr. No.	No. of Courses conducts	Title of Course	Course Co-ordinator			Total participants	Fees per Student	Total amount in Rs.	Remark
			Name	Mob. No.	Email. Id.				
1.	One	Fruit Processing Technology	Dr. Davange S.B.	9975761707	sangitabotany@gmail.com	20	200	4000	

*Davange S.B.*  
(co-ordinator)

  
Head  
Department of Botany  
S.S.G.M. College, Kopargaon



Rayat Shikshan Santha's  
**Shri Sadguru Gangageer Maharaj Science, Gautam Arts & Sanjivani  
Commerce College, Kopargaon.**

Department of Botany

Short-Term Course-2019-2020

**Subject-Fruit Processing Technology**

**Class-T. Y. BSc. (Botany)**

**Information about Total admission and Date of Examination**

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Sr. No	Total number of admission			Total number of conducted lecture offline	Date of examination
	Total boys	Total girl	Total		
1.	04	16	20	20 Theory + 15 practical=35	9/03/2020

  
Head  
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Department of Botany  
S.S.G.M. College, Kopargaon

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Commerce College, Kopargaon.**

Department of Botany  
Short-Term Course-2019-2020

**Subject-Fruit Processing Technology**

**Class-T. Y. BSc. (Botany)**

**Date- 1/01/2020**

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**Syllabus ~~distribution~~ completion :-**

Whole syllabus of Fruit Processing Technology has been conducted by Co-Ordinator ~~Dr. S.B. Davange.~~

co-ordinator.  
Dr. S.B. Davange



Head  
Department of the Botany