

Value Added Course: "Organic Farming"

Organized by

Department of Botany

Year

2019- 2020

Organic Farming

Department of Botany



Vivekanand College, Kolhapur. (Autonomous)

Department of Botany

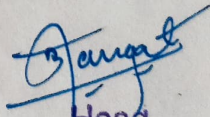
Value Added Course: "Organic Farming"

2019-2020

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Head
Department of Botany
Vivekanand College
Kolhapur

DEPARTMENT OF BOTANY

VALUE ADDED COURSE

ORGANIC FARMING

REGISTER NOW

CONTACT:



"Education for Knowledge, Science and Culture."

– Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's, Kolhapur

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Botany

1) Name of the Course:

"Organic Farming"

2) Objective:

1. Students can develop a stronger connection to nature and get some fresh air by participating in agricultural and home gardening projects.
2. It aids in the development of a sustainable agricultural system that ensures sufficient food production in the near future.
3. It creates an agriculture system that is self-sufficient, utilizing resources mostly from its own reserves.
4. Instead of using chemicals, it creates a different approach that serves as a manual for how biological processes function in natural eco-systems.

3) Duration of the course: 3 months

4) Intake capacity: 40 students

5) Exam Pattern: Theory and Practical

1) Theory - 27 (hr.)

2) Practical - 10 (hr.)

6) Course Outcomes: On completion of the course, students will be able to:

1. Understand basic concepts of organic farming.
2. Understand organic plant nutrient management.
3. Learn about the benefits of growing their own food as they connect with nature and improve the environment.
4. Know organic plant protection.

7) Syllabus: Duration of the course: 37 hours

Theory Syllabus:



Unit I- Concept of Organic Farming (04 periods)

1.1: Introduction: Farming, Organic farming (Principles and Scope), Concept and development of Organic farming.

1.2: Types of Organic Farming.

- a) Pure Organic farming
- b) Integrated Farming system
- c) Mixed Farming

Unit – II- Organic Plant Nutrient Management (05 periods)

2.1: Soil- Micronutrients, Macronutrients and Trace elements

2.2: Fertilizers - FYM, City compost, oil cakes, animal wastes, vermicompost, vermiwash

2.3: Green Manure

2.4: Bio-fertilizers

Unit-III- Cultivation of Crops with Organic inputs (03 periods)

3.1: Concept of Agronomy.

3.2: Cereal crops – Rie, Bajara,

Leguminous crops – Rajma, Tur, Soybean, Mung (*Vinga*)

Leafy Vegetables – *Amaranthus cruentus* (Red), Spinach, Coriander leaves, *Chinopodium album*, *Crathamus tictorious*.

Unit – IV- Organic Plant Protection (03 periods)

4.1: Methods of plant protection

4.2: Use of Biopesticide-Importance of Neem in Organic Agriculture.

4.3: Biocontrol Agents

4.4: Crop Enemies and Their management

- a) Weed
- b) Microbes
- c) Pest

8) Practical Syllabus:

18 hrs



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VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Date: 20/06/2019

NOTICE

Department of Botany is organizing Value Added Course entitled
“ **Organic Farming**” in first term which commence from 1st July 2019
(Academic year 2019-2020). Interested students can approach to Botany department for the
enrollment of the said course.

For *Dr. Jangal*
Head

Department of Botany
Head
Department of Botany,
Vivekanand College
Kolhapur



Department Of Botany
Add-on Course 2019-2020
Roll Numbers

Sr. No.	Name of Student	Roll No.
1	Amruta Tatyaso Khodbale	201
2	Pallavi Sunil Chandanshive	202
3	Mayuri Sayaji Gaikwad	203
4	Rutuja Sardar Walvekar	204
5	Pranali Vijay Gurav	205
6	Roshani Ruzario Barboza	206
7	Ankita Vilas Pawar	207
8	Pooja Ramchandra Patil	208
9	Megha Sadashiv Khot	209
10	Shamal Shridhar Patil	210
11	Harshada Dattatry Patil	211
12	Nikita Sarjero Patil	212
13	Saloni Sardar Angre	213
14	Shital Shamrao Parande	214
15	Nikita Raghunath patil	215
16	Amita Sayaji patil	216
17	Aishwarya Bhagvan Sasane	217
18	Aakanksha Ashok Patil	218
19	Anirudha Krishna Wadeyar	219
20	Makarand Mohan Gokhale	220
21	Pallavi Uday Nalawade	221
22	Abhishek Narsingrao Kesarkar	222
23	Sohan Ramesh Patil	223
24	Prajakta Rajaram Kesarkar	224
25	Shubhangi Krishnat Khot	225
26	Rutuja Vitthal Kadam	226
27	Prajakta Sanjay Mhatugade	227
28	Akanksha Harishchandra Khade	228
29	Dhanashri Krushnat Benade	229
30	Pradnya Bhikaji Patil	230
31	Shardha Shankar Gaikwad	231
32	Apeksha Yashavant Gaikwad	232
33	Yash Ajit Rukdikar	233
34	Siddhi Milind Chavan	234
35	Krishnaraj Palghat	235
36	Shreyas Chavan Tanaji	236
37	Rutuja Laxman Naik	237
38	Amruta Sanjay Bhalekar	238
39	Megha Nandkumar Barge	239
40	Sanmati Aannaso Khot	240
41	Shubhangi Sardar Survanshi	241
42	Shivaneer Bhimrao Londhe	242



[Signature]
2020
Department of Botany
Vivekanand College
Kolhapur

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Shri Swami Vivekanand Shikshan Sanstha's, Kolhapur

VIVEKANAND COLLEGE (AUTONOMOUS), KOLHAPUR.

Department of Botany COC: Organic Farming

Date:

Total Marks: 25

Instructions: 1) All questions are compulsory

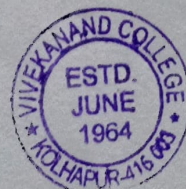
2) Each question carries one mark

Q.1. Choose the correct alternative

- 1) Organic farming is the technique of raising crops through uses of
 - a) manures
 - b) biofertilizers
 - c) resistant varieties
 - d) all of these
- 2) The most quickly available source of nitrogen to plants are
 - a) amide fertilizers
 - b) ammonia fertilizers
 - c) nitrate fertilizers
 - d) ammonia nitrate fertilizer
- 3) Heterocysts are:
 - a) Biological fertilizers
 - b) Biofertilizers
 - c) Specialized cells for nitrogen fixation.
 - d) Enzymes required for nitrogen fixation
- 4) BGA are used as biofertilizer in:
 - a) Rice field
 - b) Wheat field
 - c) Sugarcane field
 - d) Legume field
- 5) Biofertilizers are
 - a) Urea
 - b) Potassium
 - c) Micro-organism
 - d) None of these.
- 6) A symbiotic nitrogen fixing bacteria is
 - a) *Rhizobium*
 - b) *Azotobacter*
 - c) *Anabaena*
 - d) *Azolla*



- 15) Common disease found in *Amaranthus* is.....
- a) powdery mildew
 - b) white rust
 - c) downy mildew
 - d) tikka disease
- 16) bacterium is widely used to control insect pest.
- a) *Bacillus thuringiensis*
 - b) *Pseudomonas aeruginosa*
 - c) *Pseudomonas fluorescens*
 - d) *Escherichia coli*
- 17) Classical biological control method used because it is.....
- a) expensive
 - b) harmful
 - c) inexpensive
 - d) All of the above
- 18) Compounds used to control insect population.
- a) Vitamins
 - b) Carbohydrates
 - c) Proteins
 - d) IGRs (Insect growth regulators)
- 19) To control water hyacinth..... is used.
- a) *Cercospora rodmanii*
 - b) *Puccinia*
 - c) *Aspergillus*
 - d) *Penicillium*
- 20) _____ is the remaining solid portion after extraction of oil from oil seeds.
- a) Residual material
 - b) Oil Cake
 - c) Farm Yard Manure
 - d) City compost
- 21) Vermiwash is _____ fertilizer.
- a) Solid
 - b) Semi-solid
 - c) Gaseous
 - d) Liquid



Department Of Botany
Add-on Course 2019-20 "Organic Farming"
RESULT

Sr. No.	Name of Student	Roll No.	Grade
1	Amruta Tatyaso Khodbale	201	A ⁺
2	Pallavi Sunil Chandanshive	202	A ⁺
3	Mayuri Sayaji Gaikwad	203	O
4	Rutuja Sardar Walvekar	204	A ⁺
5	Pranali Vijay Gurav	205	A ⁺
6	Roshani Ruzario Barboza	206	O
7	Ankita Vilas Pawar	207	A
8	Pooja Ramchandra Patil	208	A ⁺
9	Megha Sadashiv Khot	209	A ⁺
10	Shamal Shridhar Patil	210	A ⁺
11	Harshada Dattatry Patil	211	A ⁺
12	Nikita Sarjero Patil	212	A ⁺
13	Saloni Sardar Angre	213	A ⁺
14	Shital Shamrao Parande	214	O
15	Nikita Raghunath patil	215	A ⁺
16	Amita Sayaji patil	216	A
17	Aishwarya Bhagvan Sasane	217	O
18	Akanksha Ashok Patil	218	A ⁺
19	Anirudha Krishna Wadeyar	219	O
20	Makarand Mohan Gokhale	220	A ⁺
21	Pallavi Uday Nalawade	221	A ⁺
22	Abhishek Narsingrao Kesarkar	222	O
23	Sohan Ramesh Patil	223	-Ab
24	Prajakta Rajaram Kesarkar	224	A ⁺
25	Shubhangi Krishnat Khot	225	A ⁺
26	Rutuja Vitthal Kadam	226	A ⁺
27	Prajakta Sanjay Mhatugade	227	O
28	Aakanksha Harishchandra Khade	228	A ⁺
29	Dhanashri Krushnat Benade	229	A ⁺
30	Pradnya Bhikaji Patil	230	A ⁺
31	Shardha Shankar Gaikwad	231	A
32	Apeksha Yashavant Gaikwad	232	A ⁺
33	Yash Ajit Rukdikar	233	-Ab
34	Siddhi Milind Chavan	234	-Ab
35	Krishnaraj Palghat	235	-Ab
36	Shreyas Chavan Tanaji	236	-Ab
37	Rutuja Laxman Naik	237	A ⁺
38	Amruta Sanjay Bhalekar	238	O
39	Megha Nandkumar Barge	239	O
40	Sanmati Aannaso Khot	240	O
41	Shubhangi Sardar Survanshi	241	A ⁺





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Shikshanmaharshi Dr. Bapuji Salunkhe



Shri Swami Vivekanand Shikshan Sanstha's

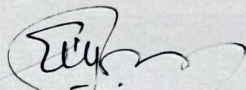
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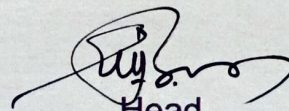
NAAC Reaccredited : "A" (CGPA 3.24), College with Potential for Excellence by U.G.C., New Delhi
"Star College" by D.B.T. Govt. of India, ISO: 9001-2015

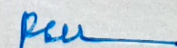
CERTIFICATE

This is to certify that Aishwarya Bhagvan Sasane
of _____ has passed the Value Added Course in
'Organic Farming'

in the Month of January.. year 20 20..... The said certificate has been issued to
him/her at the Vivekanand College, Kolhapur.


Co-ordinator


Head
Department of Botany
Head
Department of Botany
Vivekanand College
Kolhapur


Principal
PRINCIPAL
Vivekanand College
Kolhapur