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## FIRST-YEAR OF BACHELOR OF VOCATIONAL MAJOR SUSTAINABLE AGRICULTURE REVISED SYLLABUS ACCORDING TO CBCS NEP2020

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COURSE TITLE: ORGANIC FARMING: CONCEPT AND COMPONENT  
SEMESTER-I, W.E.F. 2024-2025

Recommended by the Board of Studies in BVOC (SA)

And

Approved by the Academic Council  
DevrukhShikshanPrasarakMandal's

Nya. TatyasahebAthalye Arts, Ved. S. R. Sapre Commerce, and Vid. DadasahebPitre  
Science College (Autonomous), Devrukh. Tal.Sangmeshwar, Dist. Ratnagiri-415804,  
Maharashtra, India

Academic Council Item No: \_\_\_\_\_

|   |   |  |
|---|---|--|
| Name of the Implementing Institute            | : | Nya. TatyasahebAthalye Arts, Ved. S. R. Sapre Commerce, and Vid. DadasahebPitre Science College (Autonomous), Devrukh. Tal.Sangmeshwar, Dist. Ratnagiri-415804,                                |
| Name of the Parent University                 | : | University of Mumbai   |
| Name of the Programme                         | : | Bachelor of Vocation (Sustainable Agriculture)   |
| Name of the Department                        | : | B. Voc. Sustainable Agriculture  |
| Name of the Class                             | : | First Year   |
| Semester                                      | : | First  |
| No. of Credits                                | : | 02   |
| Title of the Course                           | : | Organic Farming : concept, component   |
| Course Code                                   | : | B104SAT  |
| Name of the Vertical in adherence to NEP 2020 | : | Major and Minor  |
| Eligibility for Admission                     | : | Any 12 <sup>th</sup> Pass And/ or Diploma in agriculture seeking Admission to Degree Programme in adherence to Rules and Regulations of the University of Mumbai and Government of Maharashtra |
| Passing Marks                                 | : | 40%  |
| Mode of Assessment                            | : | Formative and Summative  |
| Level   | : | UG   |
| Pattern of Marks Distribution for TE and CIA  | : | 60:40  |
| Status  | : | NEP-CBCS   |
| To be implemented from Academic Year          | : | 2024-2025  |
| Ordinances/Regulations(if any)                |   |  |

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## Syllabus for First Year of Bachelor of Vocation in SA

(With effect from the academic year 2024-2025)

**SEMESTER-I**

**Paper No.–**

**Course Title: Organic farming: concept and component No. of Credits - 02**

**Type of Vertical: Major and Minor**

**COURSE CODE: B104SAT**

### Learning Outcomes Based on BLOOM's Taxonomy:

After completing the course, the learner will be able to...

| Course Learning Outcome No. | Blooms Taxonomy | Course Learning Outcome   |
|-----------------------------|-----------------|---|
| CLO-01                      | Remember        | Remember the basics of Organic Farming.                                   |
| CLO-02                      | Understand      | Understand the procedures of Composting.                                  |
| CLO-03                      | Apply           | Apply knowledge in maintaining soil and plant health.                     |
| CLO-04                      | Analyze         | Analyze the soil and use proper techniques for better crop yield.         |
| CLO-05                      | Evaluate        | Evaluate the soil need and use various methods of composting accordingly. |
| CLO-06                      | Create          | Create ability to perform economically viable farming.                    |

## Syllabus for First Year of Bachelor of Vocation in Sustainable Agriculture

(With effect from the academic year 2024-2025)

**SEMESTER-I**

**Paper No.–**

**Course Title: Organic Farming: concept, component**

**No. of Credits - 02**

**Type of Vertical: Major and Minor**

**COURSE CODE: B104SAT**

| COURSE CONTENT |   |         |                 |
|----------------|---|---------|-----------------|
| Module No.     | Content   | Credits | No. of Lectures |
| 1              | <ul style="list-style-type: none"> <li>☐ Importance of agriculture in India, Definition of Organic Farming, It's importance in today's era, History</li> <li>☐ Ancient agriculture, Green revolution, Hazardous effects of chemical fertilizers</li> <li>☐ Concept of Organic Farming, Principles of Organic Farming, Objectives of Organic Farming (as per IFOAM)</li> <li>☐ Characteristics of Good Organic Farmer</li> <li>☐ Conventional vs Organic Farming, Advantages and Disadvantages of Organic Farming</li> </ul> | 01      | 15              |
| 2              | <ul style="list-style-type: none"> <li>☐ Various Organic Farming Models-Natural Farming, Fukuoka-Japan, Parma Culture etc.</li> <li>☐ Organic Farming: Global scenario and Opportunities</li> <li>☐ Organic farming in India: Current Status and Challenges</li> <li>☐ Govt. Schemes promoting Organic farming, Export of Organic Food from India</li> </ul>  | 01      | 15              |
| Total          |   | 02      | 30              |

### Required Previous Knowledge

No previous Knowledge is required.

### Access to the Course

The course is available for all the students admitted for Bachelor of Sustainable Agriculture as a Major or a minor. The students seeking admission in other disciplines may select

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the course as a minor considering the terms and conditions laid down by the University of Mumbai, the Government of Maharashtra, and the college, from time to time.

### Forms of Assessment

The assessment of the course will be of Formative and Summative type. At the beginning of the course diagnostic assessment will be carried out. The formative assessment will be used for the Continuous Internal Evaluation whereas the summative assessment will be conducted at the end of the term. The weightage for formative and summative assessment will be 50:50. The detailed pattern is as given below.

#### Term End Evaluation (30 Marks) Question Paper Pattern Time: 1.5 hours

| Question No. | Unit/s | Question Pattern   | Marks     |
|--------------|--------|--|-----------|
| Q.1          | All    | Fill in the Blanks   | 6         |
| Q.4          | All    | Attempt any three question from the following five questions (Applied Questions) | 24        |
| <b>Total</b> |        |  | <b>30</b> |

#### Internal evaluation (20 Marks)

| Sr. No.      | Description   | Marks     |
|--------------|---|-----------|
| 1            | Mid Term Examination                                  | 10        |
| 2            | Active Participation in teaching learning Process     | 5         |
| 3            | Subject related activities as assigned by the teacher | 5         |
| <b>Total</b> |   | <b>20</b> |

### Grading Scale

The grading scale used is O to F. Grade O is the highest passing grade on the grading scale, and grade F is a fail. The Board of Examinations of the college reserves the right to change the grading scale.

**Reference for Unit 1 :** Organic farming \Theory and practice S. P. Palaniappan, K. Annadurai scientific publishers. Organic farming for sustainable agriculture P. Parvatha Reddy scientific publishers.

**Reference for Unit 2 :** Principles of organic farming S.R. Reddy Kalyani publishers. A hand book of organic farming Arun K Sharma Agrobios publishers

### Recommended Books :

1. Organic farming for sustainable agriculture P. Parvatha Reddy scientific publishers.
2. Principles of organic farming S.R. Reddy Kalyani publishers.

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3. A hand book of organic farming Arun K Sharma Agrobios publishers

**References:**

1. Ananthkrishnan, T.N. (ed.) 1992. Emerging Trends in Biological Control of Phytophagous insects. Oxford & IBH, New Delhi.
2. Chhonkar, P.K. and Dwivedi, B.S. 2004. Organic farming and its implications on India's food security. Fertil. News 49(11): 15-18, 21-28, 31 & 38.
3. Gaur, A.C. 1982. A Manual of Rural Composting. FAO/UNDP Regional Project Document, FAO, Rome.
4. Howard, A. 1940. An Agricultural Testament. Oxford University, London. Lampin, N. 1990. Organic Farming. Farming Press Books, Ipswich, U.K.
5. Palaniappan, S.P and Anandurai, K. 1999. Organic Farming- Theory and Practice, Scientific Pub., Jodhpur.