

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE  
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: IV (New)	Term	: Second	Academic Year	: 2022-23
Course No.	: AGRO 248	Title	: Principles of Organic Farming		
Credits	: 2 (1+1)				
Day & Date	: Thursday, 06.07.2023	Time	: 09:00 to 11:00 hrs.	Total Marks	: 40

- Note :
1. Solve ANY EIGHT questions from SECTION 'A'.
  2. All questions from SECTION 'B' are compulsory
  3. All questions carry equal marks.
  4. Draw neat diagram wherever necessary.

SECTION 'A'

- Q.1 What do you mean by certification? Write minimum requirement for organic certification and enlist accredited certification agencies involved in it.
- Q.2 Describe in short weed management in organic mode of production.
- Q.3 Write in detail about pest and disease management in organic farming.
- Q.4 Write in detail about the criteria for choosing the varieties in organic farming.
- Q.5 What is organic farming? Describe in brief the important principles of organic farming.
- Q.6 Describe in detail the operational structure of NPOP.
- Q.7 Write in short about marketing and export potential of organic produce.
- Q.8 Define green manuring. Write its types, advantages and disadvantages.
- Q.9 Explain in detail about vermicomposting technology.
- Q.10 Write short notes on (Any Two):
- a) Biofertilizer   b) Compost enrichment   c) Packing and labeling of organic produce

SECTION 'B'

- Q.11 State True or False:
- 1) The Department of Commerce shall act as the apex body of the NPOP.
  - 2) The benefits of organic practices are seen immediately.
  - 3) 'Biochar' is an organic carbon rich material produced via pyrolysis of agricultural bio-waste such as wood chip or crop straw.
  - 4) The use of genetically engineered seeds, transgenic plants or plant material is not prohibited.
- Q.12 Match the pairs:
- | 'A'                             | 'B'                        |
|---------------------------------|----------------------------|
| 1) NPOP                         | a) Hyderabad               |
| 2) Non-symbiotic nitrogen fixer | b) 2 <sup>nd</sup> October |
| 3) CRIDA                        | c) Solapur                 |
| 4) MOFF                         | d) <i>Azotobacter</i>      |
|                                 | e) Ghaziabad               |

