

Total No. of Questions: 6

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Enrollment No.....



Faculty of Agriculture
End Sem Examination May-2024
AG3CO50 Principles of Organic Farming

Programme: B.Sc. (Hons.) Branch/Specialisation: Agriculture

Duration: 3 Hrs.

Maximum Marks: 50

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

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|-----|------|--|---|
| Q.1 | i. | What is the requirement of organic farming? | 1 |
| | | (a) Economical use of resources | |
| | | (b) No use of resources | |
| | | (c) Sustainable use of resources | |
| | | (d) All of these | |
| | ii. | What is the full form of IFOAM? | 1 |
| | | (a) International Federation of Organic Agriculture Movements. | |
| | | (b) Indian Federation of Organic Agriculture Movements | |
| | | (c) Italian Federation of Organic Agriculture Movements | |
| | | (c) None of these | |
| | iii. | Which types of minerals are permitted in organic farming? | 1 |
| | | (a) Readily soluble minerals (b) Insoluble minerals | |
| | | (c) Both (a) and (b) (d) None of these | |
| | iv. | How would you use inorganic fertilizer in organic farming? | 1 |
| | | (a) As a complementary component | |
| | | (b) As a supplementary component | |
| | | (c) As substitute | |
| | | (d) None of these | |
| | v. | How would you limit nutrient loss? | 1 |
| | | (a) Proper recycling of wastes | |
| | | (b) Synchronizing release and uptake of nutrients | |
| | | (c) Proper handling of organic wastes | |
| | | (d) All of these | |

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- vi. The cow dung + urine + agricultural waste are ready to be used as farm yard manure after how many days? **1**
 (a) 30 – 50 days (b) 50 – 90 days
 (c) 90 to 120 days (d) 120 to 150 days
- vii. Which green manure crop is Sesbania aculeate? **1**
 (a) Sesbania (b) Dhaincha
 (c) River hemp (d) West Indian pea.
- viii. Organic farming certification in India is governed by NPOP, the full form of which is- **1**
 (a) National Programme for Organic Production
 (b) National Production of Organic Programme
 (c) National Presentation for Organic Production
 (d) None of these
- ix. Which one of the following are agencies/project promoting organic farming marketing in INDIA? **1**
 (a) International Resources for Fairer Trade (IRFT)
 (b) Diversified Agriculture Support Project
 (c) Indian Competence Centre for Organic Agriculture (ICCOA)
 (d) All of these
- x. The hindrances to organic farming includes which of the following? **1**
 (a) High initial cost
 (b) High cost of certification
 (c) Complicated production technology
 (d) All of these
- Q.2 i. What is organic farming? **1**
 ii. Why organic farming is necessary? **2**
 iii. Describe in detail the concept of organic farming, its principles and its scope in India. **5**
- OR iv. What are various initiatives taken by Government (central and state), NGOs and other organizations for promotion of organic agriculture? **5**
- Q.3 i. What is organic ecosystem? **1**
 ii. What is concept and principle of organic ecosystem? **3**

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- iii. What are various organic nutrient resources required in organic farming and what is its fortification? **4**
- OR iv. Describe in detail various types of restrictions to nutrient use in organic farming. **4**
- Q.4 i. Write five examples of few green manure crop. **2**
 ii. Describe in detail various choice of crops and varieties used in organic farming system. **6**
- OR iii. Elaborate the management and control of insect, pest, disease and weed under organic mode of production. **6**
- Q.5 i. What is NPOP? **2**
 ii. Write few examples of certification agencies of organic produce. **2**
 iii. Elaborate the operational structure of NPOP. **4**
- OR iv. Describe the certification process and standards of organic farming. **4**
- Q.6 Attempt any two:
 i. What is the process of conducting marketing of organic produce? **4**
 ii. Describe the processing and economic considerations for marketing of organic produce. **4**
 iii. What is marketing and export potential of organic products? **4**

Marking Scheme

AG3CO50- Principle of Organic Farming

Q.1	i)	Sustainable use of resources		1
	ii)	International Federation of Organic Agriculture Movements		1
	iii)	Insoluble minerals		1
	iv)	As a complementary component		1
	v)	All of the above		1
	vi)	90 to 120 days		1
	vii)	Dhaincha		1
	viii)	National Programme for Organic Production		1
	ix)	All of these		1
	x)	All of these		1
Q.2	i.	Definition of organic farming.		1
	ii.	Four points (Half marks for each point)		2
	iii.	concept of organic farming- its principles – and its scope in India-	2 Marks 1 Marks 2 Marks	5
	OR iv.	What are various Initiatives taken by Government (central/ state), NGOs – Organizations for promotion of organic agriculture-	 3 Marks 2 Marks	5
Q.3	i.	Definition of organic ecosystem-	1 Marks	1
	ii.	concept of organic ecosystem- principle of organic ecosystem-	1.5 Marks 1.5 Marks	3
	iii.	What are various organic nutrient resources required in organic farming – what is its fortification-	3 Marks 1 Marks	4

OR	iv.	various types of restrictions to nutrient use in organic farming- Half marks for each points.		4
Q.4	i.	example of few green manure crop- half marks for each example		2
	ii.	Various choice of crops in organic farming system- Varieties used in organic farming system-	3 Marks 3 Marks	6
OR	iii.	One marks for each kind of management and it should be written in detail.		6
Q.5	i.	Full form of NPOP- What is NPOP-	1 Marks 1 Marks	2
	ii.	Examples of certification agencies of organic produce- for each agencies name written.	Half marks	2
	iii.	Operational structure of NPOP- half marks for each point.		4
	OR iv.	Certification process of organic farming – Standards of organic farming-	2 Marks 2 Marks	4
Q.6				
	i.	Process of conducting marketing of organic produce – half marks for each points.		4
	ii.	Processing for marketing of organic produce- Economic considerations for marketing of organic produce-	2 Marks 2 Marks	4
	iii.	Marketing of organic products- Export potential of organic products-	2 Marks 2 Marks	4