

M.Sc.(Ag.) Examination, 2019
Semester-II
Agronomy
Course : AGR-516
(Principles and Practices of Organic Farming)

Time : 3 Hours

Full Marks : 50

Questions are of value as indicated in the margin.

Answer **any five** questions

1. a) Define organic farming.
b) How can you differentiate today's organic farming from traditional organic agriculture?
c) Mention the present status of organic farming in India.
d) Discuss on scope and limitations of organic farming in India. 2+2+2+4=10
2. a) Differentiate between organic farming and conventional farming.
b) State the principles of organic farm management.
c) Describe a model organic farm with special reference to components/enterprises, crop sequence, inputs, technology and post- production activities. 2+2+6=10
3. a) Define farming system. Write in brief about different components and their interaction in organic farming.
b) Discuss different residue management strategies and their relevance in organic farming. (2+4)+4=10
4. a) Mention different types of organic manures along with nutrient content.
b) Make a flow chart for preparation of vermicompost.
c) Mention the roles of green manures and bio-fertilizers in organic farming. 3+3+4=10
5. a) What practices do you suggest for soil fertility management in organic farming system?
b) Discuss about importance of agroforestry. 7+3=10
6. a) Suggest suitable management practices for insect-pests and diseases under organic farming.
b) Discuss on weed management under organic farming. 6+4=10
7. a) Discuss on minimum tillage and shelter zones in organic farming.
b) How can you follow crop rotations, multiple, relay and intercropping in organic farming system? 4+6=10
8. Write short notes on **(any four)** : 2.5×4=10
 - a) National Programme for Organic Production (NPOP)

P.T.O.

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- b) Agroforestry
 - c) Land use in organic farming
 - d) NADEP composting
 - e) Use of pheromone in organic farming
 - f) Organic product and food quality.
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