



RAN-2203080401040002

M.SC. (Sem. - I) Examination November - 2025

Botany (Paper - 1004) Organic Farming And Sustainable Agriculture

[Total Marks: 70

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.
- (2) Neat correct and labeled diagram will add to the value of the answers.
- (3) Figures to the right indicate full marks for each question.

Seat No.:

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Student's Signature

Q. 1. Answer any one of the following (16)

1. Define Organic farming? Explain in detail the different types of organic farming with suitable examples.
2. Define land preparation in organic farming. Explain the various steps involved preparing land organically and their significance for crop growth.

Q. 2. Describe the advantage and limitations of using green manure in organic farming. Give suitable examples of commonly used green manure crops. (18)

OR

Q. 2. Give a detailed account of Weed management in Organic farming. (18)

Q. 3. Answer any two of the following: (18)

1. Note on Farm inspection and certification of Organic farming.
2. Note on National and International Scope of Organic farming.
3. Organic crop production methods for Amaranthus.

Q. 4. Answer any two of the following: (18)

1. Note on Terrace farming.
2. Explain the role of soil tillage in organic farming. Discuss its advantage and limitation in maintaining soil health and crop productivity.
3. Describe the nutrient content of different concentrated organic manures such as oil cakes, blood meal, fish meal and bone meal.