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2026

Botany

SKILL ENHANCEMENT COURSE (SEC)

Paper: Vermicomposting and organic farming

Paper code: SEC0218003N

Full marks: 30

Time: 1.5 hours

The figures in the margin indicate full marks for the questions

1. Answer the following questions. 1x5=5
   a. Define vermicomposting.
   b. What is mulching?
   c. Name one biofertilizer used in organic farming.
   d. What is meant by compost?
   e. What is organic farming?

2. Answer the following questions (any five) 2x5=10
   a. Name two species of earthworms used in vermicomposting.
   b. What do you mean by 4R principle?
   c. Write short notes on kitchen waste used in vermicomposting.
   d. Explain the basic principles of vermicomposting.
   e. What are biofertilizers? Give examples.
   f. Differentiate between organic farming and conventional farming.
   g. List any four materials suitable for vermicomposting.
   h. What are soil organic matters?
   i. What is organic waste management?
   j. How vermicomposting promote carbon sequestration?

3. Answer the following questions (any three) 5x3=15
   a. Write about the significance of Vermicompost in maintenance of soil structure and sustainable agriculture.
   b. Mention various components of organic farming. Explain the scope and importance of organic farming in Indian context.
   c. Describe the procedure for establishing a vermicomposting unit in details.
   d. Write the basic characteristics of earthworm suitable for vermicomposting.
   e. Discus the ecological categories of earthworms.
   f. Write a brief note on native earthworm species used in vermicomposting.

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