

Reg. No.:



Y8182

Name:

University of Kerala

Second Semester FYUGP Degree Examination, June 2026

Multi-Disciplinary course

BOTANY

UK2MDCBOT103 - Organic Farming

Academic Level: 100-199

2024 Admission onwards

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark
Each.Answer all questions

Qn No.	Question	CL	CO
1	Name two types of bio-pesticides	RE	4
2	Name one type of microorganism used in biofertilizers	RE	2
3	What is Vermicomposting	UN	3
4	Define Organic Farming	UN	2
5	What is the main function of rhizobium in soil?	UN	1
6	Explain the concept of integrated pest management (IPM) in organic farming.	UN	1

Part B. 8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	List any two principles of organic farming	UN	2
8	What is the importance of blue algae in the crop field	UN	2
9	How can a farmer apply ZBNF methods to reduce weed growth without using herbicides?	AP	5
10	Classify major cultivated crops and vegetables in India	AP	1

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options * within each question

Qn No.	Question	CL	CO
11	A) How would you suggest a crop rotation plan involving rice, maize, and pulses to improve soil fertility? OR B) What strategies can be applied to improve soil productivity using common biofertilizers?	AP	2, 3
12	A) Analyze how the principles and practices of organic farming contribute to sustainable agriculture. OR B) Compare the advantages and disadvantages of traditional agricultural practices (such as intercropping and crop rotation) with modern industrial agriculture.	AN	2, 2
13	A) Evaluate the impact of climate and soil conditions on the cultivation of major vegetables in India. OR B) Is integrated organic farming a better approach than pure organic farming? Defend your answer	EV	4, 2
14	A) Prepare a document on the benefits of intercropping maize with legumes in Indian agriculture. OR B) Design an organic farming system integrating livestock management	CR	2, 5