

Reg. No.:



Name:

University of Kerala

U9282

Second Semester FYUGP Degree Examination, April 2025

Multi-Disciplinary course

BOTANY

UK2MDCBOT103 - Organic Farming

Academic Level: 100-199

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	Which staple crop was most impacted by green revolution?	RE	1
2	Name two types of organic farming	RE	2
3	How do microbes contribute to soil fertility?	UN	3
4	Describe any two common practices used in organic farming.	UN	2
5	What is the importance of cyanobacteria in crop field?	UN	3
6	Identified two major cultivated crops in India.	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	Why are leguminous plants commonly used as green manure?	UN	3
8	Summarize the disadvantages of Organic Farming	UN	2
9	Suggest two sustainable farming practices that can improve soil fertility?	AP	3
10	Predict the role of rhizobium as a biofertilizer	AP	2

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) Explain the advantages and disadvantages of pure organic farming and integrated organic farming. OR B) Examine the benefits of using biogas slurry as an organic fertilizer in sustainable farming.	AP	2, 3
12	A) Analyze the effectiveness of biogas slurry as an alternative to chemical fertilizers in terms of nutrient composition of soil, cost benefit, and ecological benefit. OR B) Analyze the various forms of microbes as suppliers of organic nutrients	AN	3, 4
13	A) How can farmers integrate Azolla into paddy fields to reduce chemical fertilizer dependency. OR B) Explain seed, seedling and soil treatment measures	EV	3, 4
14	A)	CR	3, 2

Qn No.	Question	CL	CO
	Create a sustainable waste management plan integrating pipe composting for rural communities. OR B) Discuss the steps to be taken to develop organic farm in your area		