

## MSc Sem.-2 Examination

408

Horticulture

May-2025

[Max. Marks : 70]

Time : 2-30 Hours]

Instructions: All Questions carry equal marks  
Attempt all Questions

Q I	Green house: design, classification, advantages and applications	14
OR		
Q I	A. temperature and humidity control in green house.	7
	B. Construction materials, care and maintenance of green house.	7
Q II	Soilless culture-types, advantages and disadvantages	14
OR		
Q II	A. cacti and succulents in a green house	7
	B. Explain Aeroponics, Aquaponics, Bioponics, NFT	7
QIII	Micropropagation-technique and applications.	14
OR		
Q III	A. GM cultivars-significance and applications.	7
	B. rDNA technology-significance and applications.	7
Q IV	Integrated weed management and Integrated pest management	14
OR		
Q IV	A. types of mulches and their advantages.	7
	B. Soil fertility management in organic farming.	7
Q V	Attempt any 7 out of 12 MCQs/Short question (One- or Two-line answer)/ Fill in the blanks/True or False etc.	14
1	Enlist the Research institutes of organic farming in Gujarat.	2
2	Enlist the Green houses in Ahmedabad and Gujarat.	2
3	Enlist exotic fruits which can be grown in green house in Gujarat.	2
4	Which flowers can be grown in green house in Gujarat?	2
5	What is container culture?	2
6	What is GM cultivar?	2
7	What is genetic marker?	2
8	Define micropropagation.	2
9	Principle of organic farming.	2
10	Principle of composting.	2
11	What is mulching?	2
12	Types of composting.	2