

2/22

0806E488

Candidate's Seat No : \_\_\_\_\_

M.Sc Sem.-2 Examination

P - 408

Horticulture

June 2022

Time : 2-00 Hours]

[Max. Marks : 50

Instruction: All questions in **Section - I** carry equal marks.Attempt any **Three** questions in **Section - I**.**All Questions in Section-II are COMPULSORY.****Section - I**

Q-I	A - Explain: Green house design	7
	B - Classify the types of Green houses	7
Q-II	A - Write the materials used for the construction of green house	7
	B - Give the steps for care and maintenance of a greenhouse	7
Q-III	A - Explain: Container Culture and its advantages	7
	B - Write the types of soilless culture and give a brief account of each.	7
Q-IV	A-Explain the method of Aeroponics	7
	B-What are the drawbacks and advantages of Aeroponics?	7
Q-V	A- Explain in details: rDNA technology-significance and applications.	7
	B- Describe-GM cultivars: significance and applications	7
Q-VI	A- Explain in details: Micro propagation-Techniques and applications	7
	B-What are genetic markers? Explain in detail RFLP and AFLP markers	7
Q-VII	A- Explain the principle of organic farming.	7
	B- Explain soil fertility management.	7
Q-VIII	A-What is composting and it's significance? Describe types of composting.	7
	B-Describe the process and the factors affecting Aerobic composting.	7

P.T.O

1. The first stove or heated greenhouse is constructed at \_\_\_\_\_
  - A. Chelsea Physic Garden, UK
  - B. Indian Botanic Gardens, Kolkata
  - C. Botanic Gardens of Wales, UK
  - D. United States Botanic Gardens, USA
2. \_\_\_\_\_ type of greenhouses came first
  - A. Orangeries
  - B. Pineries
  - C. Both (a) and (b)
  - D. None of the above
3. Selection of suitable containers depends on \_\_\_\_\_
  - A. Crop to be produced in the greenhouse
  - B. Plant characteristics like crop stage, duration, vigour, etc
  - C. Both (a) and (b)
  - D. None of the above
4. Advantages of containers in a greenhouse are;
  - A. Increases production capacity by reducing crop time.
  - B. High quality of the greenhouse product
  - C. Easy to handle, grade and shift for transportation
  - D. All of the above
5. Full form of SNP....
  - A. Single nucleotide polymorphism
  - B. Sequence nucleotide polymorphism
  - C. Simple nucleotide polymorphism
  - D. None of these
6. RAPD also.....
  - A. AP PCR (Arbitrary primed PCR)
  - B. DAF (DNA amplification fingerprinting)
  - C. MAAP (Multiple arbitrary amplicon profiling)
  - D. All of these
7. Which British botanist is often referred to as the father of modern organic farming?
  - A. Albert Howard
  - B. George Bentham
  - C. Robert Brown
  - D. Dalton Hooker
8. The Principles of Health, Ecology, Fairness and Care of Organic farming concerns the way people
  - A. interact with living landscapes
  - B. relate to one another
  - C. shape the legacy of future generations
  - D. All