

M.Sc Sem.-2 Examination

P - 410

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 induced structural defense mechanism.	7
	B – Explain pre-existing structural defense mechanism	7
Q-II	A – Short note on post-infectious biochemical defense of host plant	7
	B – Explain induced chemical defense of host plant.	7
Q-III	A – How is radiation and drying of stored produce used for plant disease management? Explain it with example.	7
	B – Write a note on Quarantine and inspection as a method of protecting plant from disease.	7
Q-IV	A- Write a note on Evasion or avoidance of pathogen with examples	7
	B-Explain the methods of use of pathogen free propagating material and coating epidermis for plant protection.	7
Q-V	A- Write a note on protective and therapeutic fungicides.	7
	B- Write a note on method of application of chemical fungicides (Any four)	7
Q-VI	A- Explain: Antibiotics, nematicides and growth regulators	7
	B- What are insecticides? Explain it and give few examples.	7
Q-VII	A- Explain tools of Sowing.	7
	B- Explain tools of Ploughing	7
Q-VIII	A- Short note on tools used for watering.	7
	B- Define pruning. Explain it tools.	7

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## Section II

1. The scientific study of disease in plants is called.....
    - A. Plant pathology
    - B. Plant physiology
    - C. Plant anatomy
    - D. Taxonomy
  2. Pathogen affects which part of the plant?
    - A. Shoots and roots
    - B. Leaves and crowns
    - C. Fruits and seeds
    - D. All of these
  3. Quarantine centres are present at \_\_\_\_\_
    - A. Shopping malls
    - B. Universities
    - C. Sea ports
    - D. None of these
  4. Which of these is not a method of Evasion or Avoidance of Pathogen?
    - A. Vigorous seeds
    - B. Planting date
    - C. Distance between crops
    - D. None of these
  5. Rodenticides are used to kill
    - A. Arachnids
    - B. Nematodes
    - C. Bacteria
    - D. None of these
  6. Pesticides that affect all pests equally are called \_\_\_\_\_
    - A. Protectants
    - B. Rodenticides
    - C. Broad spectrum pesticides
    - D. Spread fast pesticides
  7. Placing seeds in the soil to have good germination is called.....?
    - A. Sowing
    - B. Ploughing
    - C. Harvesting
    - D. None of these
  8. How much depth is required for sowing any seed?
    - A. 2-3 times size of the seed
    - B. 1-2 times size of the seed
    - C. 2-4 times size of the seed
    - D. None of these
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