

**End Semester/Reappear (Semester I) Examination December 2022**

**Programme: B. Sc. (Hons.) Agriculture**  
**Course: Fundamentals of Horticulture**  
**Course Code: 13A.101**  
**Enrollment No: \_\_\_\_\_**

**Full Marks: 50**  
**Time: 2 Hrs.**

**Section I**

- 1. Short Answer type questions. Answer any four. 4 x 5 = 20**
- What is the importance of soil requirements for horticultural crops?
  - Define air layering with suitable examples of plants in which air layering is done.
  - Differentiate between pollinizers and pollinators.
  - Enumerate the objectives and principles of training in horticultural crops.
  - Describe the phenomenon of unfruitfulness in plants. Give suitable examples.
  - Discuss about the layering method of propagation.

**Section II**

- Long answer type questions. Answer any two. 2 x 15 = 30**
- Explain seed germination, types, factor affecting seed germination and seed dormancy.
  - Compare medicinal and aromatic plants with examples and their scientific names and family.
  - Explain the different methods of irrigation and design a drip irrigation model for your university field.
  - Describe the Botanical classification of plantation crops and spices.

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