

Botany

- NOTE: 1. All questions are compulsory.  
2. Figures to right indicate marks.  
3. Draw labeled diagrams wherever necessary.**

Q.1. Define Horticulture. Explain Olericulture as a branch of Horticulture. (15M)

**OR**

Q.1. What is Sericulture? Explain in detail life cycle of Silkworm. (15M)

Q.2. Define layering and describe different techniques of layering. (15M)

**OR**

Q.2. What is propagation? Explain cutting and its types. (15M)

Q.3. Write a note of symptoms, causative agent and control measure of following diseases (any three). (15M)

i. Powdery Mildew

iii. Rust

ii. Citrus Canker

iv. Wilt

**OR**

Q.3. Describe fertilizers? Add a note on Nitrogenous fertilizers and their application. (15M)

Q.4. Explain importance of site selection as garden operation and add a note on preparation of soil. (15M)

**OR**

Q.4. Write a note on conservation and management of water through Horticulture. (15M)

Q.5. Write notes on (any three). (15M)

- a. Nursery culture
- b. Horticulture Training Centre
- c. Budding
- d. Organic farming
- e. Oil cake
- f. Mulching

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