

(FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2022 ONLY)

22PBY2E4

REG.NO

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS: MAY-2023

COURSE NAME: M.Sc.-BOTANY

MAXIMUM MARKS: 50

SEMESTER: II

TIME : 3 HOURS

## HORTICULTURE AND LANDSCAPING

## SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

## MULTIPLE CHOICE QUESTIONS.

1. Pomology is referred to\_\_\_\_\_.
  - a) Study of fruit crop
  - b) Study of vegetables
  - c) Study of foliage parts
  - d) Study of spices
2. FYM is a\_\_\_\_\_.
  - a) Chemical fertilizer
  - b) Biofertilizer
  - c) Physical fertilizer
  - d) Organic manure
3. Thinning out is also known as\_\_\_\_\_.
  - a) Cutting
  - b) Training
  - c) Pruning
  - d) Topiary
4. Gootee is a method of\_\_\_\_\_.
  - a) Cutting
  - b) Layering
  - c) Pruning
  - d) Thinning
5. Which one of the following is suitable for cut flowers?
  - a) *Chrysanthemum*
  - b) *Crossandra*
  - c) *Cajanus*
  - d) *Cananga*

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Define Olericulture.
7. What is bio-inoculant?
8. Define nursery.
9. What is vertical gardening?
10. Define turf.

## SECTION – B

(5 X 3 = 15 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Mention the scope and importance of horticulture.  
(OR)  
b) Write short notes on role of biotic factors as plant growth environment.
12. a) Define organic matter and list out its importance for plant growth.  
(OR)  
b) Describe the sprinkler irrigation system employed in horticulture.

13. a) Define viability and explain its importance in seed germination.  
**(OR)**  
b) Describe the transplanting techniques employed in horticulture.

14. a) With an example, explain the propagation through specialized underground structures.  
**(OR)**  
b) With neatly labeled diagram explain rockery.

15. a) Bonsai - Discuss  
**(OR)**  
b) Describe the significance of cut flower industry in India.

**SECTION – C** **(5 X 5 = 25 MARKS)**

**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 (Or) K5)**

16. a) Give an account of divisions of horticulture.  
**(OR)**  
b) Discuss the importance of primary and secondary nutrients in plant growth.

17. a) Analyze the role of organic and inorganic fertilizers for plant growth.  
**(OR)**  
b) Give an account of various pruning techniques employed in horticulture.

18. a) Describe mechanism of dormancy and dormancy breaking methods.  
**(OR)**  
b) Give an account of seedling production in nurseries.

19. a) Define vegetative propagation and describe various grafting techniques.  
**(OR)**  
b) Give an account of soil-less production of horticultural crops.

20. a) Describe the cut flower arrangements.  
**(OR)**  
b) Give an account of post-harvest handling of horticultural products.

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## ETHICAL PAPER

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