

(FOR THE CANDIDATES ADMITTED

DURING THE ACADEMIC YEAR 2021 ONLY)

REG.NO.:

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

END-OF-SEMESTER EXAMINATIONS: JULY- 2022

M.Sc.-BOTANY

MAXIMUM MARKS: 70

SEMESTER - II

TIME : 3 HOURS

PART - III**HORTICULTURE AND LANDSCAPING****SECTION - A****(10 X 1 = 10 Marks)****ANSWER THE FOLLOWING QUESTIONS.****MULTIPLE CHOICE QUESTIONS.****(K1)**

1. Which of the following is a primary nutrient?
a. Magnesium b. Phosphorous c. Calcium d. Sulphur
2. Which does not belong to trickle irrigation?
a. sprinkle irrigation b. furrow irrigation c. surge irrigation d. pitcher irrigation
3. The disadvantage of indirect seedling is _____.
a. stagnant water b. wilting c. low yield d. greater expense
4. Among the following the propagation through special organ is _____.
a. seed b. budding c. cutting d. corm
5. The art of growing plants in shallow container is _____.
a. Akadama b. Bonsai c. saikaei d. Zakura

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES**(K2)**

6. Differentiate primary and secondary nutrients.
7. Define pruning in horticulture.
8. Explain seed viability.
9. Distinguish bulbs and corms.
10. Define terrarium.

SECTION – B (5 X 4 = 20 MARKS)**ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11. a) List the scope and importance of horticulture.
(OR)
b) Compare the biotic and abiotic factors for plant growth.

(CONTD.....2)

12.a) Examine any two types of trickle irrigation.
(OR)
b) Describe various methods of fertilizer application.

13.a) Show the differences between direct and indirect seedling production.
(OR)
b) Assess the dormancy breaking methods.

14.a) Sketch the types of layering and enumerate them.
(OR)
b) Interpret rockery.

15.a) List the significance of cut flower industry in India.
(OR)
b) Dramatize landscaping in horticulture.

SECTION - C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS.****(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
(FROM Qn. No : 17 to 21) (K4 (Or) K5)**

16. Inspect the propagation through specialized underground organs.
17. Outline the classification of horticultural plants.
18. Evaluate the organic, inorganic fertilizers and potting media.
19. Summarize the method of plant propagation through seeds.
20. Formulate any two methods of Soil- less production of horticultural crops.
21. Discuss pomology and mention the cultivation of two fruit crops.
