

**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2023 ONLY)**

23PBY2E4

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : MAY-2024

COURSE NAME: M.Sc.- BOTANY

MAXIMUM MARKS: 75

SEMESTER: II

TIME : 3 HOURS

HORTICULTURE AND LANDSCAPING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Select a branch of horticulture dealing with the production and marketing of vegetable is_____.
 - a) Pomology
 - b) Viticulture
 - c) Olericulture
 - d) Sericulture
2. Which type of fertilizer is useful for gardening?
 - a) Urea
 - b) Sodium phosphate
 - c) DAP
 - d) Vermicompost
3. Seed dormancy allows the plants to_____.
 - a) Develop healthy seeds
 - b) reduce viability
 - c) overcome unfavourable condition
 - d) prevent deterioration of seeds
4. Choose the following is not an example of sub aerial vegetative propagation?
 - a) Sucker
 - b) Bulbils
 - c) Runner
 - d) Offset
5. The form of hydroponics that does not require a growing medium at all is_____.
 - a) Aquaculture
 - b) Static solution culture
 - c) Aeroponics
 - d) Medium culture

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

6. Explain the role of potassium in crops.
7. Interpret bioinoculants.
8. Illustrate the seedling transplantation.
9. Define rockery.
10. Explain cut flowers.

SECTION – B

(5 X 5 = 25 MARKS)

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

11. (a) Find out the scope of horticulture.
(OR)
(b) Assess the importance of horticulture.
12. (a) Apply the various methods of fertilizer application.
(OR)
(b) Compute the different types of organic fertilizers and its significance.

(CONTD.....2)

13. (a) List the advantages of seed propagation.
(OR)
(b) Discover the causes of seed dormancy.
14. (a) Interpret the different steps involved in air layering.
(OR)
(b) Describe the detailed account of terrace gardening with its components.
15. (a) Apply the basic principles of landscaping in horticulture.
(OR)
(b) Examine the post-harvest techniques in horticulture.

SECTION – C**(5 X 8 = 40 MARKS)**

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

16. (a) Categorize the various divisions of horticulture.
(OR)
(b) Outline the classification of horticultural plants.
17. (a) Analyze the different types of irrigation.
(OR)
(b) Discuss the various methods of pruning being followed in fruit crops and add notes on uses of pruning.
18. (a) Evaluate the various methods of breaking seed dormancy.
(OR)
(b) Outline the protocol for Medicinal plants cultivation.
19. (a) Point out the different aspects of cuttings with reference to horticultural crops.
(OR)
(b) Discuss the important methods of soil-less cultures used in horticultural crops production.
20. (a) Construct the flower arrangement in details. Explain the types and components of flower arrangement.
(OR)
(b) Summarize the various components of indoor gardening and its significance.
