

(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)

21UBY613

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : MAY-2024
COURSE NAME: B.Sc.- BOTANY **MAXIMUM MARKS: 70**
SEMESTER: VI **TIME : 3 HOURS**

PART - III

HORTICULTURE AND PLANT BREEDING

SECTION - A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. A low branch with a node is bent down and covered with soil in_____.
a) Marcotting b) Layering c) Cutting d) Budding
2. Indoor plants are generally_____.
a) Sun loving b) Shade loving c) Sea Water loving d) None of these
3. Banana is propagated by_____.
a) Stem cutting b) Tillers c) Suckers d) Crown
4. Which is not a green house gas?
a) CFC b) CH₄ c) CO d) H₂
5. The movement of agricultural plants from their original growing sites to other location_____.
a) Plant introduction b) crop rotation c) Plant improvement d) Plant selection

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES.

(K2)

6. Define: organic manure.
7. Give any two examples for hedge plant.
8. What is the binomial of Sarpagandha.
9. Define: Canning.
10. Define: Hybrid .

SECTION – B

(5 X 4 = 20 MARKS)

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

11. a) Assess the scope of horticulture.
(OR)
b) Outline the advantages of grafting.
- 12.a) Enlist the parameters to select indoor plants.
(OR)
b) Comment on the commonly used growth mediums in hydroponics.

(CONTD.....2)

13.a) Find the specificity of auxin in horticulture.

(OR)

b) Interpret the environmental factors favours the growth of Brinjal.

14.a) Describe the extraction of papain.

(OR)

b) List the physical modes of fruit preservation.

15.a) Describe the objectives of plant breeding.

(OR)

b) Comment on hybrid vigour.

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. Outline the layout of kitchen garden.

17. Summarize the importance of glasshouses.

18. Point out different types of layering with diagram.

19. Investigate the conditions suitable for the cultivation of tea.

20. Interpret the designs in flower arrangement.

21. Discuss the principle and importance of natural selection.
