

FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2022**(Regular/Improvement/Supplementary)****BOTANY (OPEN COURSE)****GBOT5D02T: APPLIED BOTANY****Time: 2 Hours****Maximum Marks: 60****SECTION A: Answer the following questions. Each carries 2 marks.****(Ceiling 20 Marks)**

1. What is Auxin? Write its uses in cutting and layering.
2. What is asexual reproduction?
3. Enumerate the advantages of layering in horticulture.
4. Define clone. Write its significance.
5. Discuss the importance of drip irrigation.
6. What is bone meal? Write its uses
7. List out the important varieties used for Anthurium and Orchid cultivation.
8. What is organic farming? Add notes on its significance.
9. List out the raw materials used for compost.
10. What is poly house? Write its uses.
11. Give morphology of useful part of Mango and Banana.
12. What are spices? Write its uses.

SECTION B: Answer the following questions. Each carries 5 marks**(Ceiling 30 Marks)**

13. Describe different stages of micropropagation.
14. Give an account of stem cuttings and root cuttings.
15. Briefly explain different methods of pest control.
16. Discuss the role of Rhizobium in nitrogen fixation.
17. Explain the substrate preparation for mushroom cultivation.
18. What are cereals and millets? Give binomial, family, morphology of the useful parts and uses of cereals and millets.
19. Discuss vegetable gardening and its significance.

SECTION C: Answer any 1 question. Each carries 5 marks

20. Describe different types of pots used for plant propagation.
21. Explain the creation of Bonsai.

(1 x 10 = 10 Marks)