

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**  
**(Regular/Improvement/Supplementary)**

**BOTANY**

**GBOT5B08T: TISSUE CULTURE, HORTICULTURE, ECONOMIC BOTANY &  
ETHNOBOTANY**

**Time: 2 Hours**

**Maximum Marks: 60**

**SECTION A: Answer the following questions. Each carries 2 marks.**  
**(Ceiling 20 Marks)**

1. What is protoplast?
2. Define Ethnobotany.
3. What does Olericulture mean?
4. Explain the advantages of sprinkle irrigation?
5. What is meant by Grafting?
6. Write the binomial, family and uses of *Aloe*.
7. Name any four garden tools.
8. What are systemic fungicides?
9. Write the binomial, family and uses of Tea.
10. Define cellular totipotency.
11. Write the binomial, family and uses of Cardamom.
12. What is meant by Cell immobilization?

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

13. Explain the working principle of laminar air flow.
14. What are the advantages and disadvantages of synthetic seeds?
15. Comment on potting and repotting.
16. Write a note on Moist chamber
17. Write the binomial, family and uses of masticatories
18. Write the Ethnobotanical significance of *Ficus religiosa*
19. Comment on TBGRI model of benefit sharing.

**SECTION C: Answer any 1 question. Each carries 10 marks.**

20. What are the different methods of micropropagation?
21. Explain the different methods of vegetative propagation in plants? Compare nature of such plants with sexually propagated plants.

**(1 x 10 = 10 Marks)**