

**THIRD SEMESTER DEGREE EXAMINATION, NOVEMBER 2022**  
**(Regular/Improvement/Supplementary)**  
**BOTANY: COMPLEMENTARY COURSE FOR ZOOLOGY**  
**GBOT3C03T: MORPHOLOGY, SYSTEMATIC BOTANY, ECONOMIC BOTANY,**  
**PLANT BREEDING AND HORTICULTURE**

Time: 2 Hours

Maximum Marks: 60

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

1. Distinguish between corymb inflorescence with umbel inflorescence.
2. What is Cytotaxonomy?
3. Write the binomial of any two Malvaceae members.
4. What is piston mechanism?
5. Write any two equipments used for collection of specimens.
6. Comment on Horticulture.
7. Write any publications of Kew garden.
8. Write the binomial and family of any two beverage plants.
9. What is primary introduction?
10. Comment on propagule.
11. Write the binomial and family of any two medicinal plants.
12. What do you mean by T-budding?

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

13. Briefly discuss different parts of a leaf with suitable illustration.
14. Explain various kinds of attachments seen in anther to the filament.
15. Explain the economic importance of Euphorbiaceae.
16. Write diagnostic features of Apocynaceae.
17. Briefly mention the importance of Numerical Taxonomy.
18. Write the binomial, family and uses of any four plants in the category of cereals and pulses.
19. What is layering? Explain different steps involved in air layering.

**SECTION C: Answer any *one* question. Each carries *ten* marks.**

20. Explain floral and vegetative characteristics of Poaceae with special notes on economic importance.
21. Write an essay on different steps involved in hybridization with their achievements.

(1 x 10 = 10 Marks)