

B.Sc. DEGREE END SEMESTER EXAMINATION OCT. 2020: JANUARY 2021**SEMESTER –5: BOTANY (CORE COURSE)**COURSE: **15U5CRBOT5: ANGIOSPERM SYSTEMATICS, FLORAL MORPHOLOGY AND ECONOMIC BOTANY***(Common for Regular 2018 admission & Improvement 2017/Supplementary 2017/ 2016/2015 admissions)*

Time: Three Hours

Max. Marks: 60

PART AI. Answer **ALL** questions; each question carries **1** mark.

1. What is placentation?
2. What is synandrous anther?
3. Give an example for Phylogenetic system of classification.
4. Epicalyx found in members of
5. Write the characteristic inflorescence of the family Asteraceae.
6. Define syncarpous condition
7. Write the binomial of Asafoetida
8. What is the ethanobotanical use of *Trichopus zeylanicus*?

(1 x 8 = 8)

PART BII. Answer **ANY SIX** questions; each question carries **2** marks.

9. Differentiate between aggregate fruit and multiple fruit.
10. Give the characteristic features of a Hypogynous flower.
11. What is Floral Formula?
12. What are the major vegetative features of Myrtaceae?
13. Write a brief note on ICBN
14. Explain cyathium inflorescence
15. Distinguish between berry and drupe.
16. What is Herbarium?
17. Give the binomial of Ginger and Cloves.
18. Write the binomial of two ethnobotanical plants used for shelter purpose.

(2 x 6 = 12)

PART CIII. Answer **ANY FOUR** questions; each question carries **4** marks.

19. Write a comparative account on corolla of Leguminosae
20. With suitable examples explain the economic importance of the family Cucurbitaceae.

21. Describe the role of Botanical Gardens.
22. Differentiate between floral characters of Apocynaceae and Asclepiadaceae
23. Describe the salient features of Euphorbiaceae.
24. Write down the botanical name, family and morphology of the useful part of two Beverages (4 x 4 = 16)

PART D

IV. Answer **ANY TWO** questions; each question carries **12** marks.

25. Discuss the Bentham and Hooker classification and its merit and demerit.

OR

26. Write an essay on interdisciplinary approaches in taxonomy.

27. Describe the morphological and floral characters of family Annonaceae. What are the primitive features of Annonaceae?

OR

28. Explain the characteristic features and economic importance of the family Poaceae. (12 x 2 = 24)
