

**B. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2019****SEMESTER –5: BOTANY (CORE COURSE)**COURSE: **15U5CRBOT5: ANGIOSPERM SYSTEMATICS, FLORAL MORPHOLOGY AND ECONOMIC BOTANY***(Common for Regular 2017 admission &/Improvement 2016/ Supplementary 2016/2015 admission)*

Time: Three Hours

Max. Marks: 60

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

1. What is aestivation?
2. Interpetiolar stipule found in members of .....
3. Give an example for artificial system of classification.
4. What is synandrous anther?
5. Which is the characteristic fruit of the family Cucurbitaceae?
6. Epicalyx present in family.....
7. Write the binomial of Para rubber
8. What is the ethanobotanical use of *Ochlandra*? (1 x 8 = 8)

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

9. Differentiate between apocarpous and syncarpous pistil.
10. Give the characteristic features of an epigynous flower.
11. What is floral diagram?
12. Write a comparative account on simple fruit and aggregate fruit.
13. What are the major vegetative features of Myrtaceae?
14. Describe head inflorescence
15. Distinguish between berry and drupe.
16. Describe the gynoecium of family Asclepiadaceae
17. Give the binomial of Pepper and Cloves.
18. Write the binomial of two ethnobotanical medicinal plants. (2 x 6 = 12)

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

19. With the help of suitable examples explain the economic importance of the family Malvaceae
20. Write a short note on interdisciplinary approaches in taxonomy
21. Describe the inflorescence of Poaceae
22. Differentiate between Verbenaceae and Lamiaceae
23. Describe the role of Botanical Gardens.
24. Briefly explain the primitive characters of family Annonaceae (4 x 4 = 16)

**PART D**

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

25. Write an essay on the Bentham and Hooker Natural system of classification and its merits and demerits.

**OR**

26. Explain the characteristic features and economic importance of the family Leguminosae.

27. Describe the morphological and floral characters of family Asteraceae. What are the advanced features of Asteraceae?

**OR**

28. What is Herbarium? Explain the steps involved in herbarium preparation. (12 x 2 = 24)

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