

B. Sc. DEGREE END SEMESTER EXAMINATION : OCTOBER 2022**SEMESTER 5: BOTANY****COURSE: 19U5CRBOT5 : ANGIOSPERM SYSTEMATICS AND ECONOMIC BOTANY***(For Regular - 2020 Admission and Supplementary 2019 Admission)*

Time: Three Hours

Max. Marks: 60

PART A**Answer All (1 mark each)**

1. What you mean by vasculum?
2. What is a monograph in plant systematics?
3. Give the binomial and family of an insecticide yielding plant?
4. Give an example for the artificial system of classification?
5. Give the binomial of a millet in your syllabus?
6. Name a plant used as medicine by ethnic people and village folks.
7. Name a family with obdiplostemonous stamens.
8. Write the binomial of a plant with gynobasic style?

(1 x 8 = 8)**PART B****Answer any 6 (2 marks each)**

9. What is a floral diagram?
10. Give an account on molecular systematics?
11. What is the ethnobotanical use of Corypha?
12. Explain the inflorescence in Poaceae with suitable example
13. Comment on the stamens in Cucurbitaceae?
14. Give the binomial and family of sugarcane?
15. Name any two uses of Ochlandra?
16. What are the principles of ICN?
17. Comment on the artificial system of classification?
18. What is the relevance of floral formula?

(2 x 6 = 12)**PART C****Answer any 4 (5 marks each)**

19. Classify the flower based on the position of the ovary?
20. What is aestivation? What are the different types of aestivations?
21. Discuss floral symmetry?
22. What is Cytotaxonomy and chemotaxonomy?
23. Give an account on the inflorescence branching in family Solanaceae
24. Give the botanical name, Family and, morphology of the useful part of any two fruits and vegetables mentioned in your syllabus

(5 x 4 = 20)

PART D

Answer any 2 (10 marks each)

25. Discuss the natural system of classification with suitable examples mentioned in your syllabus.
Give a brief account on the merits and demerits of it.
26. Give the botanical name, Family and morphology of the useful part of any three spices and pulses mentioned in your syllabus?
27. Compare the morphological and floral characters of Fabaceae, Caesalpiniaceae and Mimosaceae.
28. Explain the vegetative and floral character of family orchidaceae with suitable labelled diagram.

(10 x 2 = 20)
