

B. Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2025**SEMESTER 5 : BOTANY****COURSE : 19U5CRBOT5 : ANGIOSPERM SYSTEMATICS AND ECONOMIC BOTANY***(For Regular 2023 Admission and Supplementary 2022/ 2021/ 2020/ 2019 Admissions)*

Time : Three Hours

Max. Marks: 60

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

1. Give an example for Natural system of classification.
2. Write the morphology of useful part of Bengal gram.
3. Write the binomial of Black gram.
4. What is the binomial of golden shower tree?
5. Name an angiosperm family with Sagittate anther.
6. What is meant by floral formula?
7. Write botanical names of two medicinal plants used by tribals.
8. What is meant by cytotaxonomy?

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

9. What is plaited corolla?
10. Write the family name and binomial of Durian.
11. How do floral diagrams differ from floral formulas?
12. Write the binomial and medicinal properties of any one plant used by village folks.
13. Briefly give an account on binomial nomenclature.
14. What is gynostegium?
15. What is accrescent Calyx? Give an example.
16. Write the family name and binomial of Indian almond tree.
17. Write an account on the inflorescence in Mimosaceae.
18. Write the binomial and family of Cardamom.

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

19. Write the binomial, family and morphology of useful part of gums and resins mentioned in your syllabus.
20. Using schematic diagrams explain various ovary positions found in angiosperm flowers.
21. With the help of suitable diagrams, explain the structure of androecium and gynoecium in Orchidaceae.
22. Draw and label the flower L.S of a ray floret and a disc floret.
23. Explain the floral features of Apiaceae.
24. Explain the different steps of herbarium preparation.

(5 x 4 = 20)

PART D

Answer any 2 (10 marks each)

25. With the help of suitable diagram explain the general characters of Asteraceae.
26. With the help of suitable diagrams, explain the floral features of Rutaceae. Write an account on the economic importance of this family.
27. Write an essay on following group of plants mentioned in your syllabus based on uses with special reference to their binomial, family and morphology of useful part.
 - a) Pulses
 - b) Fibre yielding plants
28. What is a herbarium? Explain the steps involved in the preparation of herbarium. Give its significance.

(10 x 2 = 20)