

Reg. No

B.Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2024**SEMESTER 3 : COMPLEMENTARY BOTANY FOR ZOOLOGY****COURSE : 19U3CPBOT3 : ANGIOSPERM TAXONOMY AND ECONOMIC BOTANY***(For Regular 2023 Admission and Improvement/Supplementary 2022/2021/2020/2019 Admissions)*

Time : Three Hours

Max. Marks: 60

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

1. What is bilabiate corolla?
2. Give the botanical name of paddy.
3. Name a family in which monadelphous stamens are seen.
4. Name a family where you see loculicidal capsule.
5. What is the binomial of Indian Gooseberry?
6. What is perianth?
7. Give the botanical name of Brahmi.
8. Give the morphology of the useful part of Cotton.

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

9. Comment on *Azadirachta indica* as a medicinal plant.
10. What is Vasculum?
11. Expand ICBN and ICN.
12. Write any four merits of Bentham and Hooker's system of classification.
13. Find the major legumes used in your kitchen giving their common name and botanical name.
14. Spices and condiments are called 'food adjuncts'. Why?
15. Explain the gynoeceium in Rubiaceae.
16. Differentiate monadelphous and diadelphous condition.

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

17. Write briefly about the floral characters of the family Apiaceae.
18. Discuss the floral features of Lamiaceae.
19. Explain various measures to be taken to have better profit from Orchid cultivation.
20. Describe the collection and pressing of plant specimens for the herbarium preparation.
21. Explain the structure of a typical angiosperm flower using technical terms. Draw labeled diagram.
22. If you are asked to prepare a medicinal garden design, what plants would you include in it? Give justification for their inclusion in your garden.

(5 x 4 = 20)

PART D

Answer any 2 (10 marks each)

23. What are essential oils? Give a brief account of the botany, cultivation, extraction and uses of Coconut and Ground nut oil.
24. Write an essay on different types of fleshy, multiple and aggregate fruits. Draw labelled diagrams with examples for each type.
25. Elaborate and explain the general characters of Apocynaceae. Draw the flower L.S.
26. Write an essay on the characteristic features of the family Malvaceae. With suitable examples, explain the economic importance of the family.

(10 x 2 = 20)