

M.Sc. DEGREE END SEMESTER EXAMINATION - OCTOBER 2024**SEMESTER 3 : BOTANY****COURSE : 21P3BOTT09 : TAXONOMY OF ANGIOSPERMS***(For Regular 2023 Admission and Supplementary 2022/2021 Admissions)*

Duration : Three Hours

Max. Weights: 30

PART A**Answer any 8 questions****Weight: 1**

1. What is natural system of classification? Give an example. (U)
2. Write a comparative account on the androecium of Fabaceae, Caesalpiniaceae and Mimosaceae. (U)
3. Write short note on the androecium and gynoecium of Zingiberaceae. (U)
4. Write a short note on the ecological significance of Rhizophoraceae. (R)
5. Write a comparative account on the gynoecium in Asclepiadaceae and Apocynaceae. (U)
6. Write short note on the androecium and gynoecium of Lauraceae. (A)
7. Write a short note on bioprospecting. (R)
8. What is gynostegium? (U)
9. What is Median monosymmetry? (R)
10. Define modular theory. (U)

(1 x 8 = 8)**PART B****Answer any 6 questions****Weights: 2**

11. Explain the economic importance of Caesalpiniaceae and Mimosaceae. (U)
12. With the help of suitable diagrams, explain the floral features of Aristolochiaceae. (U)
13. Give an account on various indices used for ethnobotanical studies. (U)
14. With the help of suitable diagrams, briefly describe the floral features of Verbenaceae. (U)
15. What are the merits and demerits of APG system? (A)
16. What are the salient features of Poaceae. (U)
17. Explain the following floral formula: $K(5)\downarrow [C(2^{\text{upper lip}}:3^{\text{lower lip}})\downarrow A_2^{\text{long}}:2^{\text{short}}:1^0\downarrow \underline{G}(2)^*Vb1$ (A)
18. What are the major selective pressures that resulted in the evolution of specialized types of flowers? (U)

(2 x 6 = 12)**PART C****Answer any 2 questions****Weights: 5**

19. With the help of suitable diagrams, explain the characters of Fabaceae. (U)
20. Explain the Bessey's system of classification. (An)
21. Elaborate and explain the features of Asteraceae with an emphasis on the advanced characters of the family. (An)
22. Explain the characters of the family Zingiberaceae. List out the economic importance of the family with the help of suitable examples. (U)

(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
----	----------------------------	----	-----------	-----------

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;