

Reg. No .....

Name .....

22P328

**M. Sc. DEGREE END SEMESTER EXAMINATION : OCTOBER 2022**

**SEMESTER 3 : BOTANY**

**COURSE : 21P3BOTT09 : TAXONOMY OF ANGIOSPERMS**

*(For Regular - 2021 Admission)*

Duration : Three Hours

Max. Weights: 30

**PART A**

**Answer any 8 questions**

**Weight: 1**

1. What are the major contributions of S.K Jain in ethnobotanical studies? (A)
  2. What is cyathium? (U)
  3. Write short note on the androecium and gynoecium of Poaceae. (A)
  4. Write short note on the androecium and gynoecium of Apocynaceae. (U)
  5. What is indented key? (R)
  6. What is artificial system of classification? Give an example. (U)
  7. Write short note on the features of ray floret. (U)
  8. What is androgynophore? Give example. (A)
  9. Define modular theory. (U)
  10. Write a short note on the ecological significance of Rhizophoraceae. (R)
- (1 x 8 = 8)**

**PART B**

**Answer any 6 questions**

**Weights: 2**

11. Give an account on various indices used for ethnobotanical studies. (U)
  12. With the help of suitable diagrams explain the salient features of the family Boraginaceae. (U)
  13. With the help of suitable diagrams, briefly describe the floral features of Lauraceae. (U)
  14. With the help of suitable diagrams, explain the floral features of Clusiaceae. (U)
  15. With the help of suitable diagrams, explain the general characters of Poaceae. (U)
  16. Name and describe the steps that were involved in the evolution of a seed. (U)
  17. Differentiate between different systems of plant classification. Give suitable examples for each. (U)
  18. Explain different types of floral symmetry and its symbols. (A)
- (2 x 6 = 12)**

**PART C**  
**Answer any 2 questions**

**Weights: 5**

19. Explain the APG system of classification. (A)
  20. Elaborate and explain the features of Asteraceae with an emphasis on the advanced characters of the family. (An)
  21. Write a comparative account on the floral features of Fabaceae, Caesalpiniaceae and Mimosaceae. Explain with suitable diagrams. (R)
  22. Discuss the diversity, form and structure of Orchidaceae. (E)
- (5 x 2 = 10)**

**OBE: Questions to Course Outcome Mapping**

CO	Course Outcome Description	CL	Questions	Total Wt.
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Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;