

Reg. No

Name

23P311

M. Sc. DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023

SEMESTER 3 : BOTANY

COURSE : 21P3BOTT09 : TAXONOMY OF ANGIOSPERMS

(For Regular - 2022 Admission and Supplementary - 2021 Admission)

Duration : Three Hours

Max. Weights: 30

PART A

Answer any 8 questions

Weight: 1

1. Write a short note on the androecium and gynoecium of Lamiaceae. (U)
2. What is papilionaceous corolla? (R)
3. Why S.K Jain is considered as the Father of Indian Ethnobotany? (U)
4. Write short note on the androecium and gynoecium of Dioscoriaceae. (A)
5. What is ochraceous stipule? Give an example. (U)
6. Write short note on the features of disc floret. (U)
7. Explain the apomorphy about the female gametophyte of angiosperm. (U)
8. What is obdiplostaminous condition? Give an example. (R)
9. What is Monograph? Write any two examples. (U)
10. Why did Bessey give more importance to the position of the ovary in his classification? (U)

(1 x 8 = 8)

PART B

Answer any 6 questions

Weights: 2

11. With the help of suitable diagrams, explain the floral features of Polygonaceae. (U)
12. What are the advanced features of Orchidaceae. (R)
13. Briefly explain the floral features of the family Loganiaceae. List out the affinities of Loganiaceae with other families. (E)
14. What are the major selective pressures that resulted in the evolution of specialized types of flowers? (U)
15. Explain the following floral formula: $K^{\text{pappus}}*C(5)\downarrow A^{\text{O}}\hat{G}(1:1^r)*Vb1$. (A)
16. With the help of suitable diagrams, explain the floral features of Capparidaceae. (U)
17. Explain the sexual system of classification by Carl Linnaeus. (U)
18. Explain the scope and significance of ethnobotany. (R)

(2 x 6 = 12)

PART C

Answer any 2 questions

Weights: 5

19. Elaborate and explain the important characters of Magnoliaceae. Write an account on its primitive features. (R)
20. With the help of suitable diagrams, explain the features of Asclepiadaceae. (R)

21. Explain the characters of the family Zingiberaceae. List out the economic importance of the family with the help of suitable examples. (U)
22. Explain the classification proposed by C.E. Bessey. (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;