

Reg No:.....
Name :.....

K25FY2402 C

Second Semester FYUGP Botany Examination
APRIL 2025 (2024 Admission onwards)
KU2DSCBOT106 (ANGIOSPERM TAXONOMY AND
MORPHOLOGY)
(DATE OF EXAM: 2-5-2025)

Time : 90 min

Maximum Marks : 50

Part A (Answer any 6 questions. Each carries 2 marks)

1. Explain opposite and whorled phyllotaxy. 2
2. What are the four main characteristics of cymose inflorescence? 2
3. What are special types of inflorescence? Explain with one example. 2
4. Name any two placentation types with example 2
5. How do herbaria and botanical gardens help in plant conservation and research? 2
6. Describe the characteristics of flower in Malvaceae. 2
7. List out economically any two important plants from the Annonaceae family. 2
8. What type of inflorescence is commonly found in Asteraceae? 2

Part B (Answer any 4 questions. Each carries 6 marks)

9. Describe simple and compound leaves with suitable diagrams and examples. 6
10. Describe the different types of racemose inflorescence with suitable examples. 6
11. Describe the different types of aestivation in flowers with suitable examples. 6
12. Explain the binomial system of nomenclature. Explain the rules and significance in plant classification. 6
13. Explain the economic importance of Malvaceae and Fabaceae families with suitable examples. 6
14. Explain vegetative features of the family Euphorbiaceae. 6

Part C (Answer any 1 question(s). Each carries 14 marks)

15. Explain Bentham and Hooker's system of classification, its key features, merits, and demerits. 14
16. (a) Describe the key morphological, floral, and vegetative characteristics of the families Rubiaceae 7
(b) Assess the evolutionary relationship between Angiosperms and Gymnosperms. What key adaptations have contributed to the dominance of Angiosperms over Gymnosperms? 7