

**Second Semester FYUGP Degree (Reg/Sup/Imp) Examination
April 2026****KU2DSCBOT106 - ANGIOSPERM TAXONOMY AND
MORPHOLOGY**

2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A**Answer any 6 questions. Each carry 2 marks.**

1. Differentiate ray floret and disc floret in head inflorescence in Asteraceae.
2. List out any four floral characteristics of Euphorbiaceae.
3. Explain any two modifications of leaves with examples.
4. Differentiate rhizome and tendril with examples.
5. What are the rules of the binomial system of nomenclature?
6. What are the three subfamilies of Fabaceae? Name them.
7. Define actinomorphic flower. Give one example.
8. Why is the phylogenetic system of classification considered more scientific than the artificial system?

Section B**Answer any 4 questions. Each carry 6 marks.**

9. What is ICBN? Discuss its objectives and important principles for naming plants.
10. Describe the herbarium technique. What are the steps involved in preparing a herbarium specimen?
11. Explain the economic importance of Malvaceae and Fabaceae families with suitable examples.
12. Discuss the different types of flower symmetry, with examples.
13. Discuss the advantages and disadvantages of the artificial, natural, and phylogenetic classification systems in understanding plant diversity.
14. Compare and contrast artificial, natural, and phylogenetic systems of classification with examples.

1

Section C**Answer any 1 questions. Each carry 14 marks.**

15. Describe the key identifying characteristics of the family Orchidaceae and Euphorbiaceae.
16. (a) Describe the types of stems and explain their various modifications with functions and examples.
(b) Discuss the different types of leaf modifications and their significance in plant adaptation.