K26FY1313 Pages: 2 Reg No:.....
Name:.....

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. Name two medicinal plants from the Apocynaceae family.
3. Write binomial of any two common plants of your area?
4. How do herbaria and botanical gardens help in plant conservation and research?
5. Differentiate between simple and compound leaves with examples.
6. Describe two terms 'polypetalous' and 'gamopetalous' condition.
7. How does adhesion differ from cohesion in floral parts?
8. Name the scientists who classified plants through artificial and phylogenetic systems.

SIR SYED COLLEGE
CENTRAL LIBRARY

Section B

Answer any 4 questions. Each carry 6 marks.

9. Describe the various modifications of roots and their significance with suitable examples.
10. What are leaf modifications? Describe any three types of leaf modifications with their functions and examples.
11. Discuss the types of cymose inflorescence with proper illustrations and examples.
12. Describe the different types of aestivation in flowers with suitable examples.
13. Describe the contributions of Bentham and Hooker to plant classification and explain how their system is different from phylogenetic classification.
14. Discuss the advantages and disadvantages of the artificial, natural, and phylogenetic classification systems in understanding plant diversity.

Section C

Answer any 1 questions. Each carry 14 marks.

15. (a) Describe the key morphological, floral, and vegetative characteristics of the families Rubiaceae

    (b) Assess the evolutionary relationship between Angiosperms and Gymnosperms. What key adaptations have contributed to the dominance of Angiosperms over Gymnosperms?

16. Compare and contrast the key identifying characters of Annonaceae, Malvaceae, and Fabaceae

قل ربّ زدني علما
SIR SYED COLLEGE
CENTRAL LIBRARY