K26FY0312 Pages: 2 Reg No:.....
Name:.....

Fourth Semester FYUGP Degree Examination APRIL 2026
KU4DSCBOT204/KU4DSCPLS204 - ANGIOSPERM SYSTEMATICS II

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What is the International Code of Nomenclature (ICN)?
2. Differentiate between syntype and lectotype.
3. How can Combretaceae be distinguished based on floral characters?
4. Why is Apiaceae also called Umbelliferae?
5. Describe inflorescence type commonly seen in Lamiaceae
6. Describe the inflorescence of Euphorbia.
7. How can Arecaceae be identified by its habit?
8. George Bentham and Joseph Dalton Hooker's classification considered as a natural system of classification.Why?.

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Describe the characteristic features of Lamiaceae and mention its economic importance.
10. Compare the vegetative characters of Acanthaceae and Solanaceae.
11. Explain the vegetative and reproductive features of Euphorbiaceae.
12. Write a short note on the economic importance of Poaceae.
13. Compare Bentham and Hooker's system with the APG system highlighting major differences.
14. What is a cladogram? Explain how it represents evolutionary relationships.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Critically examine the phylogenetic system of classification proposed by Engler and Prantl, discussing its merits and limitations in the light of modern systematics.

16. Describe the morphological and floral characters of Combretaceae and discuss its taxonomic significance

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