K25FY3213 Pages: 2 Reg No:.....
Name:.....

Third Semester FYUGP Degree (Reg) Examination November 2025

KU3DSCBOT202/KU3DSCPLS202 - ANGIOSPERM SYSTEMATICS I

2024 Admission onwards

Time : 2 hours Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. Highlight the vegetative features of Nymphaeaceae. Point out its ecological adaptations.
2. Explain the floral characters of Annonaceae
3. Mention the similarities between angiosperms and gymnosperms.
4. Give an account on any two major herbaria of the world and India.
5. Why herbarium techniques are essential in plant taxonomy?
6. Define thorn. Cite an example and mention its morphology. Add a note on its differences with spines and prickles.
7. What is phylloclade? Give one example.
8. What are leaf tendrils? Give one example.

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Prepare a comparative account of Artificial, Natural, and Phylogenetic systems of classification with suitable examples
10. Make a comparative chart of Angiosperms and Gymnosperms.
11. Give a detailed account on the use of floral characters in angiosperm taxonomy.
12. Explain how root modifications help plants adapt to different habitats. Give examples.
13. Comment on leaf modifications found in xerophytes and their significance.
14. By using suitable diagrams explain different types of phyllotaxy. What is the significance of phyllotaxy in plant's life

Section C

Answer any 2 questions. Each carry 14 marks.

15. The reproductive part of a plant is its Flower. Explain the structural organization of a flower with suitable diagram. Comment on the types of male reproductive part and female reproductive part.

16. Differentiate racemose and cymose inflorescences with examples and diagrams.

17. Compare the sub families of leguminoasae by explaining vegetative and reproductive features.

قل ربّ زدني علما
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