K26FY1356 Pages: 2 Reg No:.....
Name:.....

Second Semester FYUGP Degree (Reg) Examination April 2026

KU2DSCFOR106 - FOREST BOTANY

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What are different types of Leaves?
2. Briefly explain the structure of a stem
3. Explain Phylogenetic system of classification
4. Write a note on the earlier taxonomic works.
5. State two benefits of NTFPs for rural communities.
6. Explain two abiotic factors that influence plant distribution.
7. What is the function of leaf venation?
8. Define a herbarium and state its purpose.

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Section B

Answer any 4 questions. Each carry 6 marks.

9. Create a detailed report analysing the ecological and economic benefits of sustainable timber harvesting. Include methods to ensure sustainability.
10. Create an essay that examines the challenges associated with overexploitation of timber resources. Propose strategies to balance economic needs with environmental conservation.
11. Create a map highlighting the phytogeographic zones of India. Evaluate the characteristic vegetation and climatic conditions of each zone.
12. Create a detailed explanation of the types of aestivation observed in flowers.
13. Create a detailed guide on herbarium techniques, including specimen collection, preservation, and documentation. Evaluate the significance of each technique in maintaining the quality of herbarium specimens.
14. Evaluate the integration of traditional and modern tools in plant identification. Discuss how combining these approaches can improve the accuracy and reliability of plant classification and identification.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Analyze the functions of stems in different plant species and how these functions influence plant growth and productivity.

16. Evaluate the contributions of Carl Linnaeus to the field of plant taxonomy. Discuss how his work has influenced modern classification systems and the binomial system of nomenclature.

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