

THIRD SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2025

(FYUGP)

CC24UBOT3MN201 - PLANT DIVERSITY & ANGIOSPERM TAXONOMY

(Botany - Minor Course)

(2024 Admission - Regular)

Time: 2.0 Hours

Maximum: 70 Marks

Credit: 4

Part A (Short answer questions)Answer ***all*** questions. Each question carries 3 marks.

1. Explain spawn in Agaricus. [Level:2] [CO1]
2. Explain any two economic and ecological importance of Cyanobacteria. [Level:2] [CO1]
3. Describe different modes of classification in lichens. [Level:2] [CO1]
4. Illustrate the ventral surface features of Riccia. [Level:2] [CO2]
5. Explain why bryophytes are called amphibians of the plant kingdom. [Level:2] [CO2]
6. Describe the internal structure of Pteris root. [Level:2] [CO2]
7. Describe the xerophytic characters of Cycas leaflets. [Level:2] [CO3]
8. Explain the diagnostic features of Euphorbiaceae. [Level:2] [CO4]
9. Explain the different vegetative mode of reproduction in Angiosperms. [Level:2] [CO4]
10. Explain the diagnostic features of Caesalpinoideae. [Level:2] [CO4]

(Ceiling: 24 Marks)**Part B (Paragraph questions/Problem)**Answer ***all*** questions. Each question carries 6 marks.

11. Explain the structural features of Spirogyra filaments with special reference to its cell structure. [Level:2] [CO1]
12. Describe the different modes of nutrition in fungi. [Level:2] [CO1]
13. Explain the general characters of Algae. [Level:2] [CO1]
14. Explain any four ecological and economic importance of Pteridophytes. [Level:2] [CO2]

15. Explain the ecological importance of Gymnosperms. [Level:2] [CO3]

16. Describe the role of Indian botanical garden, Calcutta and National botanical garden, Lucknow in conservation. [Level:2] [CO4]

17. Explain the process of drying plant specimens for herbarium. [Level:2] [CO4]

18. Explain the demerits of Bentham and Hooker classification. [Level:2] [CO4]

(Ceiling: 36 Marks)

Part C (Essay questions)

Answer any **one** question. The question carries 10 marks.

19. Explain the general account of mycorrhiza and its significance. [Level:2] [CO1]

20. Explain binomial system of nomenclature and summarize the rules framed under ICBN. [Level:2] [CO4]

(1 × 10 = 10 Marks)
