K25FY3315 Pages: 1 Reg No:.....
Name:.....

Third Semester FYUGP Degree Examination NOVEMBER 2025

KU3DSCBOT206 - DIVERSITY OF PLANTS II

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What is meant by conjugation in Spirogyra?
2. Define heterocyst and its function in Nostoc.
3. Comment on the peculiarities of coralloid roots.
4. What is secondary growth?
5. Define syngamy in fungi.
6. What is a conidium?
7. State ecological importance of bryophytes.
8. Describe circinate vernation?

Section B

Answer any 4 questions. Each carry 6 marks.

9. Analyze the life cycle of Rhizopus with illustration.
10. Discuss the significance of asexual reproduction compared to sexual reproduction in fungi.
11. Comment on different types of asexual spores seen in fungi.
12. Compare reproductive strategies of Riccia and Funaria.
13. Discuss the role of vascular tissue in pteridophytes and comment on different types of stele in pteridophyte.
14. Explain importance of heterospory and seed habit.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Evaluate the life history and reproductive strategies of Rhodophyceae with emphasis on Polysiphonia.
16. Critically analyze the reproduction and xerophytic adaptations of Cycas and Pinus.

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