K25FY3114 Pages: 1 Reg No:.....
Name:.....

Third Semester FYUGP Degree (Reg) Examination
NOVEMBER 2025
KU3DSCBOT201/KU3DSCPLS201 - DIVERSITY OF ALGAE AND BRYOPHYTES
2024 Admission onwards

Time : 1.5 hours Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. Describe internal structure of Marchantia thallus.
2. Mention any two unique feature of Anthoceros
3. Explain the structure of cap cell in Oedogonium
4. What is nannadrium?
5. What are the reserve food materials found in the cells of Rhodophyceae and Chlorophyceae
6. Differentiate between aplanospores and zoospores
7. What is apophysis
8. Mention any two significances of the sporophyte in Bryophytes

Section B

Answer any 4 questions. Each carry 6 marks.

9. Comment on the statement- 'Alga is a synthetic term'.
10. Give an account of algae with unusual habitats
11. Describe the life cycle of a typical alga, including the haploid and diploid phases.
12. Explain the structure and function of the sporophyte in bryophytes.
13. Discuss the evolutionary trends in Bryophytes, including their affinities with algae
14. Compare and contrast the characteristics of Hepaticopsida, Anthocerotopsida

Section C

Answer any 1 questions. Each carry 14 marks.

15. Describe the life cycle of Marchantia with labelled diagrams.
16. Write in detail the charecteristics and life cycle of pinnularia