

15012

M.Sc. DEGREE EXAMINATION, NOVEMBER 2017.

FIRST SEMESTER

Botany

Paper II — BIOLOGY AND DIVERSITY OF ALGAE, BRYOPHYTES, PTERIDOPHYTES  
AND GYMNOSPERMS

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

PART A — (5 × 3 = 15 marks)

Answer any FIVE questions.

Each question carries 3 marks.

Each answer should not exceed 1 page.

1. Vegetative reproduction in Algae
2. Rhodophyta
3. *Anthoceros* capsule
4. *Sphagnum*
5. Lycopsida
6. Stele in Pteridophytes
7. Cones in gymnosperm
8. Gnetales

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Discuss the diversified habits of Algae.

Or

10. Write a note on the uses of Algae in day today life.

11. Bring out the salient features of Marchantiales.

Or

12. Give an account on morphological diversity of Bryophytes.

13. Mention the Heterospory and Origin of seed habit in Pteridophytes.

Or

14. Describe the general characters of Pteropsida.

15. What is living fossil and how the Gymnosperms are useful to human?

Or

16. Write a note on Ephedrales

