

15012

M.Sc. DEGREE EXAMINATION, OCTOBER/NOVEMBER 2015.

THIRD SEMESTER

Botany

Paper I — 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. Bacillariophyta.
2. Industrial importance of Algae.
3. Riccia Sporophyte.
4. Sphagnum.
5. Heterospory.
6. Psilotum.
7. Gnetales.
8. Economic importance of Gymnosperms.

PART B — (4 × 15 = 60 marks)

Answer ALL questions.

Each question carries 15 marks.

Each answer should not exceed 6 pages.

9. Give an account of terrestrial and aquatic Algae.

Or

10. Bring the salient features of Rhodophyta.

11. Write a general account of Jungermanniales.

Or

12. Discuss briefly on economic and ecological importance of Bryophytes.

13. Write a note on anatomy and stelar evolution in Pteridophytes.

Or

14. Mention salient features of Sphenopsida.

15. Describe the general characters of Gymnosperms.

Or

16. Write an account on Cycadales.

