15012(OR)

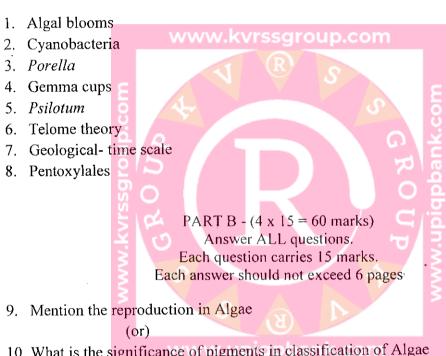
## M.Sc., DEGREE EXAMINATION, OCTOBER/NOVEMBER 2015 FIRST SEMESTER

## Botany

Paper II – Biology and Diversity of Algae, Bryophytes, Pteridophytes and Gymnosperms Time: Three hours Max. Marks: 75

(No additional sheet will be supplied)

PART A-  $(5 \times 3 = 15 \text{ marks})$ Answer any FIVE questions. Each question carries 3 marks. Each answer should not exceed 1 page



- 10. What is the significance of pigments in classification of Algae
- 11. Write an essay on ecological significance of Bryophytes (or)

- 12. Discuss the evolution of sporophyte in Bryophytes
- 13. Describe the heterospory and seed habit of Pteridophytes

- 14. Give an account on classification and general characteristics of Pteridophytes
- 15. Explain the economic importance of Gymnosperms

16. Bring out the salient features on determination of age of plant fossils.