

**2014**

**M.Sc.**

**4th Semester Examination**

**BOTANY**

**PAPER—BOT-401**

*Full Marks : 40*

*Time : 2 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

**Answer any four questions. 10×4**

1. (i) Write the natural sources of Resins. What are its uses? 2+3
- (ii) Write 4 tanin yielding plants mentioning the plant parts used. Mention the uses of taniins. 2+2+1
2. (i) Give a brief note on Endangered medicinal plants reported from southern part of West Bengal.
- (ii) Define invasive species. Name four medicinally important invasive species of West Bengal and their mode of origin. 5+(1+2+2)

*(Turn Over)*

3. Write the social and conservational roles of sacred groves.  
5+5
  4. Define germplasm with example. Briefly describe different measures for germplasm preservation.  
2+8
  5. Write the chemical constituents of honey. How do honey bees collect nectar and process it into honey? Mention the medicinal uses of honey.  
3+4+3
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