

2017**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.

4×10

1. Write a comprehensive note on the different categories of medicinal plants on the basis of their diverse rareness status as per IUCN. How does endangered plants differ from endemic ones? 7+3
2. What are non-timber forest products in India? Cite examples. Distinguish between fibres and flosses. Write down the importance of NTFP in Indian forestry. 3+3+4

(Turn Over)

3. Define sacred groves mentioning their role on conservation of plant species. Discuss socioeconomic importance of sacred groves. Write botanical names of two sacred trees of West Bengal. 3+5+2
4. State different measures of plant conservation. Comment on the significance of clonal propagation. Describe the basic cryogenic technique for germplasm conservation of plants mentioning the name of a potent cryogen. 4+2+4
5. Write down the sources and physical properties of honey. Discuss medicinal importance and prospects of honey. What is bee bread? 4+5+1
6. Write short notes on (any four) : $2\frac{1}{2} \times 4$
- (a) Resins and Oleoresins ;
 - (b) Germplasm ;
 - (c) Critically Endangered Status (CES) of plants ;
 - (d) Bamboos and Canes.
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