2015

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

What are NTFPs? Write two species each of medicinal and oil producing trees of South West Bengal. Mention the parts used of each species.

2+(2+2)+(1+1+1+1)

Enumerate the physical properties of honey. Mention two species of honey bees of India. Write the medicinal value of honey.

4+2+4

(Turn Over)
3. What is sacred grove? Discuss the socio-cultural and conservation values of sacred groves. 2+(4+4)

4. Define Invasive species. Write two species of invasive weeds of West Bengal. Mention their harmful or beneficial roles, if any. 3+2+\((2\frac{1}{2}+2\frac{1}{2})\)

5. What is germplasm? Write briefly the different measures for germplasm preservation. Mention the utility of germplasm conservation. 3+4+3

6. Write short notes on (any four): 2\frac{1}{2} \times 4

(a) Uses of tanin.

(b) Economic importance of resin.

(c) Advantages of using plant-produced dyes.

(d) IUCN.

(e) Cryopreservation.

(f) Clonal propagation.