

U.G. 3rd Semester Examination 2021

BOTANY (Honours)

Paper Code : DC-6

[CBCS]

Full Marks: 25

Time: Two Hours

- 1. Answer any *five* of the following:** **1×5=5**
- a) What is meant by the carrying capacity of a population?
 - b) What is Ecotype?
 - c) Define Synecology.
 - d) Define Continental drift.
 - e) What do you mean by physiologically dry soil?
 - f) Define Cryopreservation.
 - g) Define hotspots. Give an example.
- 2. Answer any *four* of the following:** **3×4=12**
- (a) Explain Shelford's law of tolerance with examples.
 - (b) Explain three important characteristics of the plant community.
 - (c) Compare ex-situ and in-situ conservation.
 - (d) Compare Ecotone with Edge effect.
 - (e) Enumerate the significance of Seed bank.
 - (f) Briefly enumerate the significance of Biosphere reserve.
 - (g) Compare autogenic succession with allogeneic succession.
- 3. Answer any *one* of the following:** **1×8=8**
- (a) Define ecological succession. Describe the process of ecological succession in a xerosere with a suitable diagram. 2+(4+2)
 - (b) What do you mean by Endemism? Briefly describe different theories of Endemism. (2+6)