

**B. Sc. Honours Examination  
(Under CBCS Pattern)  
Semester: II  
Sub: Botany  
Paper: GE2 (Theory and Practical)  
(Plant Ecology and Taxonomy)**

**Part A: Plant Ecology and Taxonomy(Theory)**

Answer any **one question** from the following (Within 200 words):

1. What is plant taxonomy and its components?
2. Write some importance of herbarium.
3. Explain the role of cytological evidence used in plant taxonomy.
4. What is nomenclature type? Define the holotype and isotype.
5. Write some important principles and rules of botanical nomenclature.
6. What is author citation and example?
7. What do you mean by ecotone and edge effect?
8. Write short notes on ecological adaptive features of hydrophytes.
9. What is food webs and food chains?
10. Describe the carbon cycle.

**Part B: Plant Ecology and Taxonomy(Practical)**

Answer any **one question** from the following (Within 200 words):

1. Describe the different part of a typical flower.
2. Describe the floral characters of Asteraceae (*Tridax*).
3. Draw and describe the soil profile.
4. Describe the morphological adaptive features of xerophyte.
5. Describe the methods of preparation of herbarium specimens.
6. Draw and Describe food webs and food chain.