

**B. Sc. Honours Examination
(Under CBCS Pattern)
Semester: IV
Sub: Botany
Paper: CC10 (Theory and Practical)
(Plant Systematics)**

Part A: Plant Systematics(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. Write the Bentham and Hooker Classification.
8. Write the rules of ICN.
9. Short note on: Keys- Single access and Multi-access.
10. Write about Co-evolution of angiosperms and animals.

Part B: Plant Systematics(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 Malvaceae (*Sida* sp.).
3. Describe the floral characters of Poaceae (*Triticum* sp.).
4. Describe the floral characters of Solanaceae (*Solanum* sp.).
5. Describe the methods of preparation of herbarium specimens.
6. Describe the preparation process of field report.