



## M.Sc. I Semester Degree Examination, April/May - 2024

### BOTANY

#### DSC - II : SYSTEMATICS OF ANGIOSPERMS

#### (NEP)

Time : 3 Hours

Maximum Marks : 70

**Note :** Answer **any five** of the following questions with question No. 1 (Q.1) **Compulsory**. Each question carries **equal** marks.

1. Discuss relationship between pollination and floral parts adaptation to facilitate pollination. **14**
2. (a) Contributions of Carolus Linnaeus in Plant Taxonomy. **4**  
(b) Write comparative statement between primitive and advanced flowers. **4**  
(c) ICNCP. **6**
3. Explain methods of preparation of herbarium for trees, herbs, grasses and small aquatic plants and seeds. **14**
4. (a) Write diagnostic features of Family Caryophyllaceae with suitable examples and diagram. **7**  
(b) Explain role of species of Poaceae in economy of India. **7**
5. What is Phylogeny ? Explain its role in solving plant nomenclatural disputes with examples. **14**
6. Write short notes on :  
(a) Contributions of Takthajan in Plant classification. **7**  
(b) Classification of RET species and assigning threat status. **7**



- 7.** (a) Economic importance of species of Family Magnoliaceae. **7**  
(b) Diagnostic features of Family Meliaceae. **7**
- 8.** (a) Explain Apomixis with suitable diagrams and examples. **4**  
(b) Brief account on important herbaria of World and India. **5**  
(c) Cytotaxonomy with examples. **5**

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