

**K-370**

Total Pages : 3

Roll No. ....

## **MBOT-508**

### **TAXONOMY OF ANGIOSPERMS**

M.Sc. Botany (MSCBOT)

2nd Semester Examination, 2023 (Dec.)

**Time : 2 Hours]**

**[Max. Marks : 35**

**Note :** This paper is of Thirty Five (35) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

### **SECTION–A**

**(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Nine and Half (9½) marks each. Learners are required to answer any Two (02) questions only.

(2×9½=19)

1. Give a detailed account on the origin and phylogeny of angiosperms.
2. Write a detailed account of international code of botanical nomenclature.
3. Write a detailed account of embryological features useful in solving taxonomic problems.
4. What do you understand by ecotype? Describe nature, origin, types and significance of ecotypes.
5. Define herbarium. Describe the techniques used to prepare herbarium. Write the significance of herbaria.

## **SECTION-B**

### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

1. Write briefly about binomial system of classification.
2. Write an account on nature and value of biodiversity.
3. Write briefly about pollen associations.

4. What do you understand by biodiversity? Briefly mention different measures to conserve it.
  5. Write a short note on important characters of Amaranthaceae.
  6. Write a short note on numerical taxonomy.
  7. Write a short note on biogeographic zones of India.
  8. Write briefly about sacred groves.
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