

A-0031

Total Pages : 3

Roll No.

MBOT-508

M.Sc. BOTANY (MSCBOT)

(Taxonomy of Angiosperms)

2nd Semester Examination, Session December 2024

Time : 2:00 Hrs.

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) 2×9½=19

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.

1. What do you understand by plant nomenclature ? Describe the fundamental rules and principles of International Code of Botanical Nomenclature in detail.
2. Discuss the natural system of classification of plants proposed by Bentham and Hookers.
3. How are the anatomical features useful in solving some taxonomic problems ?
4. Define herbarium. Write the methodology to collect the plants to be preserved and techniques of plant processing to prepare herbarium.
5. What do you understand by biodiversity ? Discuss the importance of biodiversity to mankind and major causes of loss of biodiversity in India.

Section–B

(Short Answer Type Questions) 4×4=16

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.

1. Write down the merits and demerits of Hutchinson's system of classification.

2. Describe the India according to various biogeographical zones.
3. Give a brief note on ecotype.
4. Write about Ex-situ and In-situ conservation.
5. Write the characteristic features of order Ranales.
6. Discuss how chemotaxonomy and numerical taxonomy are useful in plant taxonomy ?
7. Briefly write about pollen exine sculpturing.
8. Write a short note on :
 - (i) Species diversity
 - (ii) Genetic diversity
 - (iii) Ecosystem diversity
 - (iv) Wild and domesticated biodiversity
