

A-035

Total Pages : 4

Roll No.

MSCBOT-504

M.Sc. BOTANY (MSCBOT)

[Taxonomy of Flowering Plants (Angiosperms)]

Ist Semester Examination, 2024 (June)

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) 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) 2×19=38

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

A-035/MSCBOT-504 (1)

P.T.O.

1. Give a broad outline of Hutchinson's system of classification.
2. What do you understand by plant invasion and plant introduction ? Discuss in detail.
3. What are the Modern approaches in Taxonomy ? Discuss Chemotaxonomy in detail.
4. What is herbarium ? Describe the methods of herbarium preparation and its significance.
5. Describe the characters of family Orchidaceae in detail. Mention the economic importance of the family.

Section–B

(Short Answer Type Questions) 4×8=32

Note :- Section 'B' contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Describe merits and demerits of Bentham and Hooker's system of classification.
2. Differentiate between Flora and Vegetation. Discuss the steps of flora writing.

3. What is ICBN. Discuss its aims and principle.
4. Discuss the primitive and advance character of family Arecaceae. Mention five economically important plants of this family.
5. Write a short note on cruciform corolla. Write the general floral formula of following family (any *four*)
:
 - (i) Fabaceae
 - (ii) Caesalpinaceae
 - (iii) Cucurbitaceae
 - (iv) Apiaceae
 - (v) Dipterocarpaceae
6. What do you understand by artificial, natural and phylogenetic system of classification ? Write a short note on contribution of Carolus Linnaeus.
7. Write four (04) economically important plants of family Acanthaceae. Mention their common name, botanical name and uses. Write short note on Jaculator

8. Write short note on any *four* of the following :

(i) Pollinia

(ii) Gynostegium

(iii) *Tetradynamous condition*

(iv) *Asafoetida*

(v) *Caryopsis fruit*
