C067

MBOT-508

Taxonomy of Angiosperms

M.Sc. BOTANY(MSCBOT)

2nd Semester Examination, 2022 (June)

Time : 2 Hours]   **Max. Marks : 40**

Note :   This paper is of Forty (40) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A
(Long Answer Type Questions)

Note :   Section 'A' contains Five (05) long answer type questions of Ten (10) marks each. Learners are required to answer any Two (02) questions only.

(2×10=20)

1.   Write an essay on International code of Botanical Nomenclature.

2. What is herbarium? Write a detailed acclunt on preparation, preservation and importance of herbarium.

3. Give an account of system of classification proposed by Bentham and Hooker along with its merits and demerits.

4. What do you understand by Biodiversity? Give an account of threat categories as given in Indian Red Data book. Differentiate between *In-Situ* and *Ex-Situ* conservation with example.

5. Discuss Chemotaxonomy and Numerical taxonomy. How are these useful in plant taxonomy?

SECTION–B
(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Five (05) marks each. Learners are required to answer any Four (04) questions only.   (4×5=20)

1. Describe Binomial system of classification.

2. Write a short note on monophyletic and polyphyletic origin of angiosperms.

3. Briefly discuss how natural system of classification and phylogenetic system of classification differ from each other.

4. What are the primitive characters of order Ranales?

5. Write the important characters of family Annonaceae. Write name of any two plants belonging to the family.

6. Write a short note on order Poales.

7. What is endemism? Differentiate between Flora and Vegetation.

8. Write about five important herbaria. Give name of five Indian taxonomist.

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